

N53RD

1981 Cessna Citation I

LH Engine

Logbook

SMOH | 77347

1995 - 2024

MSN: 500-0415



Prepared by the worldwide aviation specialists at RidgeAire, Inc.



JT15D Series Borescope Report

Customer: RidgeAire		Work Order #: N53RD	Order/Task: Engine BSI	Date: 3 June 2024	Tech: George Salazar
Model: JT15D-1A	Serial: LH PC-E77347	TSN: UNK	CSN: UNK	TSO: UNK	CSO: UNK

Engine Installation and Condition on Arrival:

Engine SN PC-E77347 is installed in #1 position of Citation 500, N53RD, SN 500-415. Engine is in service.

INSPECTION POINT:	FINDINGS:
Inlet and Fan:	Dirty, no discrepancies noted at this time
Boost Rotor:	N/A
Stator Vane:	N/A
Inlet and Impeller:	Coating loss on inlet
Diffuser Tubes:	No discrepancies noted at this time
Deflector Segments/Ring:	N/A
Combustion Liner:	No discrepancies noted at this time
Small Exit Duct:	Minor erosion
HT Stator:	No discrepancies noted at this time
HT Blades:	1 each Airfoil has a Leading Edge Blister, No action Req'd at this time.
HT Segments:	Evidence of rub
1 st Stage LT Blades:	No discrepancies noted at this time
2 nd Stage LT Blades:	No discrepancies noted at this time
#4 Bearing Housing:	No discrepancies noted at this time

GENERAL INSPECTION:	FINDINGS:
Engine Installation:	Normal
State of Preservation:	N/A

Additional Information:



JT15D Series Borescope Report

Customer: RidgeAire		Work Order #: N53RD	Order/Task: Engine BSI	Date: 3 June 2024	Tech: George Salazar
Model: JT15D-1A	Serial: LH PC-E77347	TSN: UNK	CSN: UNK	TSO: UNK	CSO: UNK



Aircraft Registration No.



Airframe Data Plate



Engine Data Plate



Low Compressor (Fan)



Low Compressor (Fan)



Low Compressor (Fan)



Low Compressor (Fan)



Inlet Sensor



Inlet Coating Loss



JT15D Series Borescope Report

Customer: RidgeAire		Work Order #: N53RD	Order/Task: Engine BSI	Date: 3 June 2024	Tech: George Salazar
Model: JT15D-1A	Serial: LH PC-E77347	TSN: UNK	CSN: UNK	TSO: UNK	CSO: UNK



High Compressor (Impeller)



High Compressor (Impeller)



High Compressor (Impeller)



Inlet Coating Loss



Diffuser Tube



Diffuser Tube



Diffuser Tubes



Aft Side of HT Blades



Aft Side of HT Blades



JT15D Series Borescope Report

Customer: RidgeAire		Work Order #: N53RD	Order/Task: Engine BSI	Date: 3 June 2024	Tech: George Salazar
Model: JT15D-1A	Serial: LH PC-E77347	TSN: UNK	CSN: UNK	TSO: UNK	CSO: UNK



S.E.D. and H.T. Stator



S.E.D. and H.T. Stator



S.E.D. and H.T. Stator



S.E.D. and H.T. Stator



Combustion Chamber Liner



Combustion Chamber Liner



Combustion Chamber Liner



Combustion Chamber Liner



H.T. Blades and Segments



JT15D Series Borescope Report

Customer: RidgeAire		Work Order #: N53RD	Order/Task: Engine BSI	Date: 3 June 2024	Tech: George Salazar
Model: JT15D-1A	Serial: LH PC-E77347	TSN: UNK	CSN: UNK	TSO: UNK	CSO: UNK



H.T. Blades and Segments



H.T. Blades and Segments



H.T. Blades and Segments



1st Stage Low Turbine Blades



2nd Stage Low Turbine Blades



HT Vane Airfoil



HT Vane Airfoil



HT Vane Airfoil



Repair Station #: W6NR985J

November 27, 2019

Registration #: N53RD
Manufacturer: Cessna
Part/Model number: 500
Work Order No: JET7967

Total AC Time: 7,876.0
Aircraft Serial Number: 5000415
Date: 11/27/2019

Total AC Cycles: 7,923

Squawk

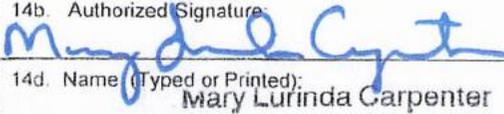
- 1.1 COMPLIED WITH INCOMING PERFORMANCE RUN AS REQUIRED IAW CESSNA 500 AMM AND P&W JT15D-1 EMM.
- 1.2 COMPLIED WITH PRISM CHECK OF COCKPIT ACRYLIC WINDOW WITH SATISFACTORY RESULTS IAW CESSNA 500 SERIES MM 56.
- 1.3 PERFORMED AVIONICS FUNCTIONAL CHECKS PER AC43.13-1B, CH 12 AND MFG MM, DISCREPANCIES NOTED AND GIVEN TO CUSTOMER
- 1.4 COMPLIED WITH BORESCOPE INSPECTION OF LEFT AND RIGHT ENGINES AS REQUIRED IAW P&W JT15D-1 EMM.
- 1.5 TOPPED OFF AIRCRAFT AND CHECKED FOR FUEL LEAKS, ALL CHECKED GOOD AT THIS TIME, ALL WORK ACCOMPLISHED IAW CESSNA 500 SERIES MM, CH 12 AND 28.
- 1.6 COMPLIED WITH IN-FLIGHT PRESSURIZATION CHECK ON CHECK FLIGHT OF AIRCRAFT, FLEW AIRCRAFT UP TO FL250, ALL CHEKS GOOD AT THIS TIME, ALL WORK ACCOMPLISHED IAW STANDARD PRACTICES AND AIRCRAFT FLIGHT MANUAL.
- 1.7 TESTED, TROUBLESHOT, REMOVED PILOTS RMI AND BENCH CHECKED, UNIT CHECKED GOOD, FOUND RMI INDICATOR NOT RECEIVING 28VDC, LOCATED BLOWN FUSE IN RIGHT SIDEWALL, REPLACED FUSE, OPERATIONAL CHECKED GOOD, ALL WORK ACCOMPLISHED IAW COLLINS RMI-30 MM.
- 1.8 CONFIRMED ELECTROLUMINESCENSE LIGHTS ON CENTER PEDESTAL INOPERATIVE, TROUBLESHOT, REMOVED AND REPLACED DEFECTIVE E.L. LIGHTING INVERTER WITH OVERHAULED EXCHANGE UNIT P/N EM2044-1EX, OPERATIONAL CHECKED GOOD, ALL WORK ACCOMPLISHED IAW CESSNA WIRING PRINTS, CH33-10-06.

All Work Performed I.A.W. Cessna 500 Appropriate Data.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number JET7967.

Signature

For Winner Aviation Repair Station #W6NR985J

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number 130109A	
4. Organization Name and Address: Electromech Technologies, LLC 2600 S. Custer Wichita, KS 67217 (PX2R099L)				5. Work Order/Contract/Invoice Number 2852323		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	VARIABLE OUTPUT INVERTER	EM2044-1	1	1999A	OVERHAULED	
12. Remarks: REPLACE NAMEPLATE, CHEMFILM BASE AND CASE. FUNCTION TESTED PER ATP 2044, REV C, 11/30/05. THIS FAA FORM 8130-3 CORRECTS THE ERROR (WRONG SN) IN BLOCK 10 OF THE FAA FORM 8130-3 130109 DATED 07 FEB, 2019 AND DOES NOT COVER CONFORMITY/CONDITION/RELEASE TO SERVICE. <u>OVERHAUL</u> LIMITED TO APPROVED MAINTENANCE DATA TITLED EM2044-1 AMT REV B DATED 02/19/13						
Certifies that the work specified in block 11/12 was carried out in accordance with EASA part 145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Approval Number EASA.145.5012.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service. <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 		14c. Approval/Certificate No.: PX2R099L (RS)
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed): Mary Lurinda Carpenter		14e. Date (dd/mmm/yyyy): 25 MAR 2019
User/Installer Responsibilities						
It is important to understand that the existence of this Document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

**FAA REPAIR STATION PX2R099L
 TEARDOWN AND PRELIMINARY INSPECTION REPORT**

JOB # <u>AM130109</u>	ELECTROMECH P/N <u>EM2044-1</u>	S/N <u>1999A</u>	DATE <u>1/30/19</u>
CUSTOMER <u>Textron Aviation</u>		CUSTOMER P/N	TECHNICIAN OVH 33

CUSTOMER STATED DISCREPANCY OR REQUEST

OVERHAUL

TECHNICIAN'S EVALUATION OF UNIT

CONDITION OF UNIT

THE BASE AND CASE ARE SCRATCHED UP.

EVALUATE CUSTOMER DISCREPANCY & RECORD RESULTS

ACTIONS REQUIRED TO ADDRESS CUSTOMER ISSUE

ACTIONS REQUIRED TO RETURN UNIT TO SERVICE

CHEMFILM THE BASE AND CASE. REPLACE THE NAMEPLATE.

WORK TO BE PERFORMED

OVERHAUL

REPAIR

INSPECT

UPDATE

MAJOR COMPONENTS TO BE REPLACED OR REPAIRED

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Bearings | <input type="checkbox"/> Housing | <input type="checkbox"/> Sensor | <input type="checkbox"/> Valve Body |
| <input type="checkbox"/> Brushes | <input type="checkbox"/> Gears | <input type="checkbox"/> Impeller | <input type="checkbox"/> Elec. Connector |
| <input type="checkbox"/> Brush Guide | <input type="checkbox"/> Cover Can | <input type="checkbox"/> Limit Switch | <input type="checkbox"/> Misc. Electronics |
| <input type="checkbox"/> Comm. End Bell | <input type="checkbox"/> Baseplate | <input type="checkbox"/> Moveable Tube | <input checked="" type="checkbox"/> Cosmetic Items |
| <input type="checkbox"/> Drive End Bell | <input type="checkbox"/> Brake Magnet | <input type="checkbox"/> Acme Shaft | <input type="checkbox"/> RFI Filter |
| <input type="checkbox"/> Field Hsg. / Stator | <input type="checkbox"/> Brake Disc | <input type="checkbox"/> Relief Valve | |
| <input type="checkbox"/> Armature / Rotor | <input type="checkbox"/> Brake Arm. Plate | <input type="checkbox"/> Body Seal | <input type="checkbox"/> NO PARTS REQ. |

JOB # AM130109
 PART # EM2044-1
 SERIAL # 1999A
SPECIAL INSTRUCTIONS AND CUSTOMER SPECIFIED DEVIATIONS

APPLICABLE DOCUMENTS

<u>OVERHAUL MANUAL</u>	<u>REV</u>	<u>DATE</u>
<u>DER REPAIR SPEC.</u>	<u>REV</u>	<u>DATE</u>
<u>MAINTENANCE DATA</u> <u>EM2044-1 AMT</u>	<u>REV B</u>	<u>DATE 02/19/13</u>
<u>FAA AIRWORTHINESS DIRECTIVE (AD)</u>	<u>YES</u>	<u>NO X</u>
<u>EASA AIRWORTHINESS DIRECTIVE (AD)</u>	<u>YES</u>	<u>NO X</u>
<u>SERVICE BULLETINS</u>	<u>YES</u>	<u>NO X</u>
<u>LIFE LIMITED ITEM</u>	<u>YES</u>	<u>NO X</u>

UPDATE/MOD INFORMATION
SERIAL NUMBER INFORMATION

 FROM PART # _____ OLD SERIAL # _____
 TO PART # _____ NEW SERIAL # _____



2600 S. Custer
Wichita, KS 67217
www.electromech.com

ENCORE™

Phone: 316-941-0400
Fax: 316-941-0473

TEXTRON AVIATION
7121 SOUTHWEST BOULEVARD
DOCK 2-4
WICHITA KS 67215
UNITED STATES

Our Sales Order: 130109
Our Packing Slip: 154454, line 1
Our Part: EM2044-1
Revision: F

Your PO: 2852323
Your Part: EM2044-1
Your Revision: F

VARIABLE OUTPUT INVERTER

Ship Date: 02/07/2019
Quantity: 1

1999A

Serial Number(s):

Tracked Items

- CERTIFICATE OF CONFORMANCE -

WE HEREBY CERTIFY THESE PARTS TO CONFORM TO ALL APPLICABLE BLUEPRINTS, SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS.

THIS IS TO CERTIFY THAT ALL WORKMANSHIP PERTAINING TO, AND ALL MATERIALS PURCHASED AND FURNISHED BY ELECTROMECH TECHNOLOGIES (FSCM NO. 54395) FOR USE IN THE MANUFACTURE OF APPLICABLE PARTS ARE IN ACCORDANCE WITH ALL APPLICABLE DRAWINGS AND SPECIFICATIONS.

THE ENCLOSED PARTS HAVE BEEN INSPECTED AND FOUND TO BE IN COMPLIANCE WITH ENGINEERING DRAWINGS AND IN ACCORDANCE WITH ALL SPECIFICATIONS. CONFORMANCE DATA IS ON FILE FOR REVIEW UPON REQUEST.

THANK YOU

Lurinda Carpenter
LURINDA CARPENTER
Q.C. INSPECTOR

Maintenance Transaction Record

CAMP MTR ID # 2992078



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng.#1 Serial No. _____
 Eng.#2 Serial No. _____
 APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	15-Apr-2019	KYNG	7870.3	7915	6546	10042.3	6404	8497			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSN/TSO/TSR	Material Costs	Man Hours
052010C	1	2	INSPECT RIGHT SIDE WINDOW INSPECTION	RIGHT								
Comments:												
057110	2	2	NO. 1 ENGINE - MINOR INSPECTION									
Comments:												
057110	3	2	NO. 2 ENGINE - MINOR INSPECTION									
Comments:												
5-12-01	4	2	PHASE 1 INSPECTION									
Comments:												
5-12-02	5	2	PHASE 2 INSPECTION									
Comments:												
5-12-03	6	2	PHASE 3 INSPECTION									
Comments:												
5-12-04	7	2	PHASE 4 INSPECTION									
Comments:												
741030	8	2	NO. 1 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	10-381550-2		9537R014C					
Comments:												
741030	9	2	NO. 1 ENGINE - VISUAL INSPECT UPPER IGNITION EXCITER	UPPER	10-381550-2H		26290					
Comments:												
741030	10	2	NO. 2 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	10-381550-2A		BA17193					
Comments:												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.
 Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)
 Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility WINNER AVIATION
 Certified Repair Station Number W6NR985J
 Work Order No. JET7751

Work Performed By WINNER AVIATION
 Certificate No. W6NR985J
 Date 15-Apr-2019

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the

Federal Aviation Administration
 Other (Specify) _____ and

WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Work Inspected By ROBERT J CELLARS 
 Certificate No. W6NR985J
 Date 15-Apr-2019

Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log	
Section	Page

Maintenance Transaction Record

CAMP MTR ID # 2992078



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No. _____

Eng.#2 Serial No. _____

APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	15-Apr-2019	KYNG	7870.3	7915	6546	10042.3	6404	8497			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
741030	11	2	NO. 2 ENGINE - VISUAL INSPECT UPPER IGNITION EXCITER	UPPER								
Comments:												
B243003	12	2	FUNCTIONAL CHECK BATTERY LEAD ACID BATTERY (CAPACITY CHECK): PHASE 54 INSPECTION		RG-380E/44		40775641					
Comments:												
B326003	13	2	HYDROSTATIC TEST EMERGENCY GEAR AIR BOTTLE		111974-2		2935					
HYDRO CHECK Date: 12-Feb-2019												
Comments:												
5-12-55	14	2	PHASE 55 INSPECTION									
Comments: N/A No Thrust Reversers installed.												
742010	15	1	NO. 1 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742020	16	1	NO. 2 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	UN	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742020	17	1	NO. 1 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742030	18	1	NO. 2 ENGINE - SHORT IGNITER LEAD	SHORT	53067-21		NSN	UN	N	0 MTH 0 HRS		
Comments: Removed part no: 10-395428-2 Removed serial no: SN-UNKNOWN.												
561001	19	1	LEFT MAIN WINDSHIELD ASSY, (LH)	LEFT MAIN	9912064-15		10152	UN	N	0 MTH 0 HRS		
Comments: Removed part no: CES-001701 Removed serial no: 719028.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WD - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	WINNER AVIATION	Certified Repair Station Number	W6NR985J	Work Order No.	JET7751
Work Performed By	WINNER AVIATION	Certificate No.	W6NR985J	Date	15-Apr-2019
<p>I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the</p> <p><input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and</p> <p>WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.</p>					
Work Inspected By	ROBERT J CELLARS	Certificate No.	W6NR985J	Date	15-Apr-2019
<p>Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.</p>					

Maintenance Log	
Section	Page



Maintenance Transaction Record

CAMP MTR ID # 2992078



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No. _____

Eng.#2 Serial No. _____

APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	15-Apr-2019	KYNG	7870.3	7915	6546	10042.3	6404	8497			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
2992078020	20	1	SAFETY CABLE		26A429-17		NSN		N	0 MTH 0 HRS		
Comments: REMOVED AND REPLACED FRAYED BLEED AIR FLEX JOINT SAFETY CABLE AT ACM IAW CESSNA 500 MM CH 21												
2992078021	21	1	HEAT SHIELD	RIGHT	5004548		NSN		N	0 MTH 0 HRS		
Comments: REMOVED AND REPLACED RIGHT MLG HEAT SHIELD IAW CESSNA 500 AMM												
2992078022	22	1	G-SWITCH		7607-2-000		NSN		N	0 MTH 0 HRS		
Comments: REMOVED AND REPLACED FAULTY EMERGENCY EXIT LIGHTING SYSTEM G-SWITCH IAW CESSNA 500 AMM 33-50-00												
2992078023	23	1	STATIC DISCHARGER	LEFT	15340		NSN		N	0 MTH 0 HRS		
Comments: REMOVED AND REPLACED LEFT WING TIP STATIC DISCHARGER IAW CESSNA 500 AMM 23-60-00												
2992078024	24	-	STAB DEICE BOOTS									
Comments: REPAIRED SEVERAL MINOR CUTS AND PINHOLES IN LEFT AND RIGHT HORIZONTAL STAB DEICE BOOTS AS REQUIRED IAW GOODRICH DEICING AND SPECIALTY PNEUMATIC DEICER INSTALLATION, MAINTENANCE AND REPAIR MANUAL 30-10-31												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	WINNER AVIATION	Certified Repair Station Number	W6NR985J	Work Order No.	JET7751
Work Performed By	WINNER AVIATION	Certificate No.	W6NR985J	Date	15-Apr-2019
<p>I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the</p> <p><input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and</p> <p>WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.</p>					
Work Inspected By	ROBERT J CELLARS 	Certificate No.	W6NR985J	Date	15-Apr-2019
<p>Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.</p>					

Maintenance Log	
Section	Page

Maintenance Transaction Record

CAMP MTR ID # 2995795



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No. PCE-77347

Eng.#2 Serial No. _____

APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	15-Apr-2019	KYNG	7870.3	7915	6546	10042.3	6404	8497			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
057110	1	2	NO. 1 ENGINE - MINOR INSPECTION									
Comments:												
741030	2	2	NO. 1 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	10-381550-2		9537R014C					
Comments:												
741030	3	2	NO. 1 ENGINE - VISUAL INSPECT UPPER IGNITION EXCITER	UPPER	10-381550-2H		26290					
Comments:												
742010	4	1	NO. 1 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742020	5	1	NO. 1 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility WINNER AVIATION **Certified Repair Station Number** W6NR985J **Work Order No.** JET7751
Work Performed By WINNER AVIATION **Certificate No.** W6NR985J **Date** 15-Apr-2019

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the

Federal Aviation Administration Other (Specify) _____ and

THE AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.

Work Inspected By ROBERT J CELLARS **Certificate No.** W6NR985J **Date** 15-Apr-2019

Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log	
Section	Page

Maintenance Transaction Record

CAMP MTR ID # 2995801



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No.

Eng.#2 Serial No.

PCE-76361

APU Serial No.

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	15-Apr-2019	KYNG	7870.3	7915	6546	10042.3	6404	8497			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
741030	1	2	NO. 2 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	10-381550-2A		BA17193					
Comments:												
741030	2	2	NO. 2 ENGINE - VISUAL INSPECT UPPER IGNITION EXCITER	UPPER								
Comments:												
057110	3	2	NO. 2 ENGINE - MINOR INSPECTION									
Comments:												
742020	4	1	NO. 2 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742030	5	1	NO. 2 ENGINE - SHORT IGNITER LEAD	SHORT	53067-21		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: 10-395428-2 Removed serial no: SN-UNKNOWN.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	WINNER AVIATION	Certified Repair Station Number	W6NR985J	Work Order No.	JET7751
Work Performed By	WINNER AVIATION	Certificate No.	W6NR985J	Date	15-Apr-2019
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the					
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and					
WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	ROBERT J CELLARS	Certificate No.	W6NR985J	Date	15-Apr-2019
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
Section	Page

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number. 382114	
4. Organization Name and Address. Aerospace Turbine Rotables Inc. 1919 E. Northern St Wichita, KS 67216-2430 US Ph: (316) 943-6100, Fax: (316) 943-2917 FAA Approval Holder: NV2R045L				5. Work Order, Contract or Invoice Number: WO135688		
6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Pneumatic Reservoir	9912103-3 212940-2	1.00	2935	INSPECTED	
12. REMARKS Inspected and certified IAW the documents listed. Full details of work performed held on work order. Manuals Used: Manual ID: 510854, Type: DCN, Rev: L, Rev Date: 3/29/1995; Manual ID: 212940, Type: DWG, Rev: L, Rev Date: 4/14/1995; Manual ID: 42000100, Type: DWG, Rev: C, Rev Date: 5/17/1985; Manual ID: 9912103-DWG, Type: DWG, Rev: J, Rev Date: 7/22/1982; Manual ID: 9912103-SCD, Type: SCD, Rev: J & L, Rev Date: 5/15/1973; Manual ID: 9914099, Type: SCD, Rev: J, Rev Date: 10/21/1991 "Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 approval number EASA.145.4033."						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval Authorization No:		14b. Authorized Signature: <i>Jake Clasen</i>		14c. Approval/Certificate No: NV2R045L
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyy):		14d. Name (Typed or Printed): Jake Clasen		14e. Date (dd/mmm/yyyy): 12/Feb/2019
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



**AEROSPACE TURBINE
ROTABLES, INC.**

1919 E. Northern St
Wichita, Ks 67216-2430, US
FAA Certified Repair Station No. NV2R045L, EASA.145.4033
Ph: (316) 943-6100, Fax: (316) 943-2917

Work Order

W/O Number: WO135688



Printed: 2/11/2019 Page#: Page 1 of 4
11:12:47 AM

Bill To: 15670 Phone #: 330-856-5000
WINNER AVIATION CORPORATION
1453 YOUNGSTOWN KINGSVILLE RD
YOUNGSTOWN-WARREN REGIONAL AIRPORT
VIENNA, OH 44473
UNITED STATES

Ship To: 15670
WINNER AVIATION CORPORATION
1453 YOUNGSTOWN KINGSVILLE RD
YOUNGSTOWN-WARREN REGIONAL AIRPORT
VIENNA, OH 44473
UNITED STATES

Part No: 9912103-3	Qty: 1	Refno: 19-00295	Line Item#:
Cust PN: 212940-2	Mfg: CESSNA	Ship Acct#: 435097	MR#:
Descr: Pneumatic Reservoir	Mfg SN:	Dist/Dealer:	DPAS Rating:
SN: 2935	Terms: CREDIT CARD	Department: Hydro	Container: 03109

Work Type: INSP LIFE LIMITS (Hydro)

Important Information -

Date Received: 2/11/2019 **Need Date: 02/12/2019**
Shipping Method: UPS 2ND DAY AIR

Evaluation -

Date Evaluated:
Findings:

Work Order Comments -



AEROSPACE TURBINE ROTABLES, INC.

1919 E. Northern St
Wichita, Ks 67216-2430, US
FAA Certified Repair Station No. NV2R045L, EASA.145.4033
Ph: (316) 943-6100, Fax: (316) 943-2917

Work Order

W/O Number: WO135688



Printed: 2/11/2019 Page#: Page 2 of 4
11:12:47 AM

RECEIVING INSPECTION

Perform receiving inspection, examine for obvious damage, verify part number/serial number, attach appropriate documents, and generate work order.

Start:



1183191S

Signature/Stamp

Performed by AeTR Receiving

Complete:



1183191C

PRELIMINARY INSPECTION, HIDDEN DAMAGE INSPECTION & TEARDOWN

Perform preliminary inspection JS, hidden damage inspection JS, disassembly & cleaning JS.

Start:



1183192S

Signature/Stamp

[Signature] 184
2-12-19

Complete:



1183192C

NDT XRAY

X-Ray if required.

Start:



1183193S

Signature/Stamp

Jake Clasen N/A FEB 12 2019

Complete:



1183193C

(Parts details can be found on the Bill of Material page)

REQUALIFICATION

Submit to DOT station for hydrostatic testing if required

Start:



1183194S

Signature/Stamp HYDRO TEST # 30-166C

[Signature] 154
2-12-19

Complete:



1183194C

OVER & ABOVE

Over and Above Details

Start:



1183195S

Signature/Stamp

Jake Clasen N/A FEB 12 2019

Complete:



1183195C

ASSEMBLY & IN PROCESS INSPECTIONS

Perform required workscope, requisition parts & assemble in accordance with approved data & quality processes.

Start:



1183196S

Signature/Stamp

[Signature] 308
2-12-19



Complete:



1183196C

(Parts details can be found on the Bill of Material page)



AEROSPACE TURBINE ROTABLES, INC.

1919 E. Northern St
Wichita, Ks 67216-2430, US
FAA Certified Repair Station No. NV2R045L, EASA.145.4033
Ph: (316) 943-6100, Fax: (316) 943-2917

Work Order
W/O Number: WO135688



Printed: 2/11/2019 Page#: Page 3 of 4
11:12:48 AM

SERVICE Service unit I.A.W. requirements.

Start:



1183197S

Signature/Stamp

[Signature] 308
2-12-19

Complete:



1183197C

Measurement -

EXT. WEIGHT EMPTY (LBS) | N/A
DESIRED WT. EXT. AGENT (LBS) | N/A
DESIRED CHARGE WEIGHT (LBS) | N/A
N2 SUPERPRESSURE REG. (PSI) | N/A
AMBIENT TEMP. (FAHRENHEIT) | N/A
TOTAL WT. OF NITROGEN (LBS) | N/A
TOTAL WT. CHARGED EXT. (LBS) | N/A
CAPACITY CU. FT./DOT | 90CF
BOTTLE #41978D | MFG. DATE 10-00
INSPECTOR STAMP AND DATE:
LEAK CHECKED TO: 1500psi



FEB 12 2019

WORK/WORK ORDER REVIEW Dept. Supervisor/designee review of article and work order to ensure all work has been performed I.A.W. FAR Part 43 and I.A.W. our RSOM.

Start:



1183199S

Signature/Stamp

[Signature] 217 2-12-19

Complete:



1183199C

FINAL INSPECTION & MAINTENANCE RELEASE Inspection review of component. Review all work performed, content embodied, & data used in the MRO cycle. Make airworthiness determination & release the product for return to service (if appropriate).

Start:



1183198S

Signature/Stamp

FEB 12 2019

[Signature] *[Signature]*



Complete:



1183198C

Times/Cycles: TSN TSO TSR CSN CSO CSR

Manuals used to service this unit -

Manual ID: 510854, Type: DCN, Rev: L, Rev Date: 3/29/1995; Manual ID: 212940, Type: DWG, Rev: L, Rev Date: 4/14/1995; Manual ID: 42000100, Type: DWG, Rev: C, Rev Date: 5/17/1985; Manual ID: 9912103-DWG, Type: DWG, Rev: J, Rev Date: 7/22/1982; Manual ID: 9912103-SCD, Type: SCD, Rev: J & L, Rev Date: 5/15/1973; Manual ID: 9914099, Type: SCD, Rev: J, Rev Date: 10/21/1991

[Signature] 308
184
2-12-19

Tools used to service this unit -

HYP-1 7-11-19



**AEROSPACE TURBINE
ROTABLES, INC.**

1919 E. Northern St
Wichita, Ka 67216-2430, US
FAA Certified Repair Station No. NV2R045L, EASA.145.4033
Ph: (316) 943-6100, Fax: (316) 943-2917

Work Order

W/O Number: WO135688



Printed: 2/11/2019 Page#: Page 4 of 4
11:12:48 AM

Bill of Material

Flat Rate Parts	Qty	CD	Part Number	Description	Location
	0	IN	9912103-3	Pneumatic Reservoir	-
Flat Rate Parts	1	NE	AE203	DECAL	H-69-05
	1	NE	NAS1612-8	O RING	H-09-03

HYDROSTATIC TEST CERTIFICATE

Issued By: Aerospace Turbine Rotables, Inc.
DOT RIN A136

This cylinder has been requalified and remarked
in accordance with 49 CFR, §180.205 – §180.215
and/or applicable exemptions/special permits.

W.O. # W0135688 Date 2-12-19

Signature [Signature]
F-750-257-B 11/13/2014

HYDRO DT.	<u>2-12-19</u>
NEXT HYDRO DUE	<u>2-2022</u>
EXP DT.	<u>10-2024</u>



Maintenance Transaction Record

CAMP MTR ID # 2827248



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No. _____

Eng.#2 Serial No. _____

APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	09-Feb-2018	KYNG	7684.3	7809	6374.3	9856.3	6303	8378			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSN/TSO/TSR	Material Costs	Man Hours
5-12-53	1	2	PHASE 53 INSPECTION Comments: NO FAULTS FOUND. BATTERY EXP 03/2018									
2827248002	2	1	ENGINE INLET ANTI-ICE TEMP SENSOR Comments: REMOVED AND REPLACED RH ENGINE INLET ANTI-ICE TEMP SENSOR WITH NEW USING NEW GASKET P/N AN901-8A, IAW CESSNA 500 AMM 30-20-00. OPS CHECK SATISFACTORY.	RH	21548-2-68-6		NSN	UN	N	0 MTH 0 HRS		
2827248003	3	1	RELAY Comments: REMOVED AND REPLACED RIGHT ENGINE ANTI-ICE RELAY WITH NEW. OPS CHECK SATISFACTORY. WORK IAW CESSNA 500 AMM CH 30	RH	CLH45-30010		NSN	UN	N	0 MTH 0 HRS		

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WD - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility WINNER AVIATION Certified Repair Station Number W6NR985J Work Order No. JET7220

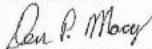
Work Performed By BRIAN CULLIVAN Certificate No. W6NR985J Date 09-Feb-2018

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration Other (Specify) _____ and
 WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Work Inspected By ROBERT CELLARS Certificate No. W6NR985J Date 09-Feb-2018

Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log	
Section	Page

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 5953956	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 2950931		
6. Item: 10	7. Description: RELAY	8. Part Number: CLH45-30010	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New		
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: PO17-03918							
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			13b. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4		13d. Authorized Signature		13e. Approval/Certificate No.	
13d. Name (Typed or Printed): DON P. MACY		13e. Date (dd/mm/yyyy): 29/Dec/2017		13f. Name (Typed or Printed)		13g. Date (dd/mm/yyyy)	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 13b do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 6009298	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 2991785		
6. Item: 10	7. Description: SWITCH	8. Part Number: 21548-2-68-6	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New		
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: 18-00291							
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			13b. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4		13d. Authorized Signature		13e. Approval/Certificate No.	
13d. Name (Typed or Printed): TERRY WEEKS		13e. Date (dd/mm/yyyy): 05/Feb/2018		13f. Name (Typed or Printed)		13g. Date (dd/mm/yyyy)	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 13b do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

Maintenance Transaction Record

CAMP MTR ID # 2900212



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No. _____

Eng.#2 Serial No. _____

APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	07-Aug-2018	KYNG	7786.2	7859	6476.2	9958.2	6348	8441			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
243003	1	1	LEFT GENERATOR CONTROL UNIT	LEFT	51509-006BR		5490A	UN	O			
Comments: Removed part no: 51509-006BR Removed serial no: 8497A												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Warn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility WINNER AVIATION **Certified Repair Station Number** W6NR985J **Work Order No.** JET7497
Work Performed By WINNER AVIATION **Certificate No.** W6NR985J **Date** 07-Aug-2018

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the
 Federal Aviation Administration Other (Specify) _____ and
 WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Work Inspected By ROBERT CELLARS **Certificate No.** W6NR985J **Date** 07-Aug-2018

Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log	
Section	Page

Maintenance Transaction Record

CAMP MTR ID # 2900186



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng.#1 Serial No. _____
 Eng.#2 Serial No. _____
 APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	21-Jul-2018	KYNG	7771.8	7848	6461.8	9943.8	6337	8430			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
243001	1	1	NO. 1 ENGINE STARTER/GENERATOR	NO. 1	23080-001-1		281	UN	O			
Comments: Removed part no: 23080-001-1 Removed serial no: 291.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	WINNER AVIATION	Certified Repair Station Number	W6NR985J	Work Order No.	JET7497
Work Performed By	WINNER AVIATION	Certificate No.	W6NR985J	Date	21-Jul-2018
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	CHAD KILGORE <i>Chad Kilgore</i>	Certificate No.	W6NR985J	Date	21-Jul-2018
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

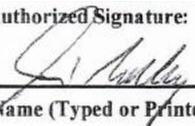
Maintenance Log	
Section	Page

2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: A36949
L.L.C. 5700 N. Rockwell, Bethany, Okla. 73008 (Certificate No. UO9R076Y)			5. Work Order/Contract/Invoice Number: 36949
8. Part Number: 23080-001-1	9. Quantity: 1	10. Serial Number: 281	11. Status/Work: OVERHAULED

ed, I.A.W. Component Maintenance Manual for 23080 series I. ATA24-30-11. Revision 3, dated 10-16-14.

component.

he work specified in block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the component is
vice under EASA Part 145 approval no. 145.5653.

ere manufactured in conformity to: n a condition for safe operation. specified in Block 12.	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12	
	Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service	
13c. Approval/Authorization No.:	14b. Authorized Signature: 	14c. Approval/Certificate No: UO9R076Y
13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Jim Nalley	14e. Date (dd/mmm/yyyy): 08/Mar/2018

User/Installer Responsibilities

istence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

n accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country
: user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness
k 1.

onstitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in
by the user/installer before the aircraft may be flown.

Southwind Aviation

5700 N Rockwell
Bethany, OK 73008

Work Order Detail

March 08, 2018

Remit To:
PO Box 1256
Oakland FL 34760

Telephone: 405-491-0500

Fax: 405-491-0044

JET-7497.2

Work Order: 36949

Title: Avgroup

Department: Generator

Customer: Avgroup
Address: billing
1770 Corporate Drive
Suite 580
Norcross, Georgia 30093

Contact Name:
Account Code: AVGROUP
Target Date: 1/16/2018
Invoice #:
Date Closed:

Status: Open
P.O. #: R133590
Created: 12/29/2017
Posted:
Job #:

Item: 1 Starter Generator

Part #: 23080-001-1

Serial #: 281

Alternate Part #: 9912038-8

Squawk: 1 **Discrepancy:** Bearings and Brushes Require Replacement Per Overhaul.
Friction ring worn
Terminal block cover broken
Drive end bell bearing liner oversized
Data plate not legible

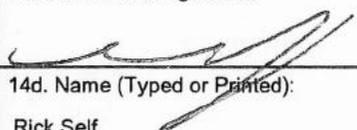
Resolution: Installed new bearings and brushes.
Replaced friction ring, terminal block cover, drive end bell and data plate.

Overhauled and tested, I.A.W. Component Maintenance Manual for 23080 series I. ATA
24-30-11 Revision 3, dated 10-16-14.
Mod level. C,H,J.

Signed Off: 3/8/2018 **By:** Ronald Gabriel (GABRIELR)

Completed: 3/8/2018 **By:** Jim Nalley (NALLEYJIM)

* End of Report *

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 131559	
4. Organization Name and Address: AMETEK B&S Aircraft Parts & Accessories 1414 S Mosley Wichita, KS. 67211-3387 USA				5. Work Order/Contract/Invoice Number: Work Order No.: BEL101365 Customer RO.: 850552		
Certificate Number: NE2R028L						
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	GENERATOR CONTROL UNIT	51509-006BR 9912039-3	1.00	5490A	OVERHAULED	
12. REMARKS Approval for Return to Service. Overhauled, reference Component Maintenance Manual: 51509-006 SERIES Rev. 1 February 20, 2015, Ametek B&S Aircraft Parts & Accessories certifies that the work specified in Blocks 11 and 12 was carried out in accordance with EASA Part-145 and in respect to that work, the component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.4228. Full details held on work order BEL101365						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12				14a <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No:		14b. Authorized Signature:		14c. Approval/Certificate No:
						NE2R028L
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):
				Rick Self		24/Aug/2017
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.						
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.						
Statement in Blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



AMETEK B&S Aircraft Parts & Accessories

1414 S Mosley
Wichita, KS. 67211-3387

Aircraft Parts & Accessories US

An **AMETEK** Company

Tear Down/Inspection

Work Order #: **BEL101365**

Date Printed: 24-Aug-17



Page: 1 of 1

To:
QUEST AVIATION INC-LAKE CITY
173 SOUTHEAST NEWELL DRIVE
LAKE CITY, FL 32025
UNITED STATES

Ship To:
QUEST AVIATION INC-LAKE CITY
173 SOUTHEAST NEWELL DRIVE
LAKE CITY, FL 32025- UNITED STATES

Cust.PO Ref.: 850552

Cust.Phone: 386-961-9300

Cust.Email:

Cust.Code: 301445

Cust.Fax: 386-961-8200

Station: BSA

Incoming Part: 51509-006BR

Incoming Mod Level:

Description: GENERATOR CONTROL UNIT

Customer PN: 9912039-3

Serial Number: 5490A

Outgoing Part: 51509-006BR

Outgoing Mod Level:

Qty: 1

Customer PN: 9912039-3

Documentation: 51509-006 SERIES Rev#: 1 Rev Date: February 20, 2015 ATA#: _

Symptoms:

OVERHAUL

Faults:

UNIT NEEDS SB51509-03
Q4 - SHORTED
R138 - OUT OF TOLERANCE

Corrective Actions:

OVERHAULED

TESTED TO MANUFACTURER'S SPECIFICATIONS
OPEN LOOP TEST OK
CLOSED LOOP TEST OK
DIELECTRIC TEST OK
UNIT IS IN TRIPPED POSITION

Maintenance Transaction Record

CAMP MTR ID # 2879763



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng.#1 Serial No. _____
 Eng.#2 Serial No. _____
 APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	22-Jun-2018	KYNG	7756.1	7836	6446.1	9928.1	6325	8418			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
B243003	1	2	FUNCTIONAL CHECK BATTERY LEAD ACID BATTERY (CAPACITY CHECK): PHASE 54 INSPECTION		RG-380E/44		40775641					
Comments:												
243001	2	1	NO. 1 ENGINE STARTER/GENERATOR	NO. 1	23080-001-1		291	SC	O			
Comments: Removed part no: 23080-001-1 Removed serial no: 1501.												
2879763003	3	-	CONNECTOR	LT	DS07-7S-059		NSN	UN	N	0 MTH 0 HRS		
Comments: REMOVED AND REPLACED LT FUEL INDICATING SYSTEM CONNECTOR WITH NEW. PERFORMED FUEL SYSTEM CALIBRATION AS REQUIRED. OPS CHECK SATISFACTORY, IAW AMM 28-40-00.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	WINNER AVIATION	Certified Repair Station Number	W6NR985J	Work Order No.	JET7444
Work Performed By		Certificate No.		Date	22-Jun-2018
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and THE AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	ROBERT CELLARS	Certificate No.	W6NR985J	Date	22-Jun-2018
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
Section	Page



**MOUSER
ELECTRONICS**

Mouser Electronics Inc
1000 N. Main Street
Mansfield, TX, 76063
Ph. (800) 346-6873
www.mouser.com

SHIP TO:
WINNER AVIATION
1453 YOUNGSTOWN KINGSVILLE RD
HANGAR 4
VIENNA, OH, 44473
UNITED STATES
Attention: PARTS
330-856-5000

Customer Service Representative:
INTERNET CUSTOMER SERVICE

Invoice No.:	48543876
Ship Date:	Jun 18 2018
Shipping Method:	UPS RED FREIGHT COLL
Order Date:	Jun 18 2018
Customer Number:	1697021
Contact Name:	PARTS DEPARTMENT

Purchase Order Number: PO18-01353

LN	Mouser Part Number Manufacturer Part Number Description	Customer Part Number	Date Code Lot Code	Quantity Ordered	Quantity Shipped	Quantity Pending
001	571-DS07-7S-059 DS07-7S-059 TE Connectivity Automotive Connectors PLUG ASSY RoHS: non-compliant	US HTS:8544.20.0000 ECCN: EAR99	1806	1	1	0

Special Instructions

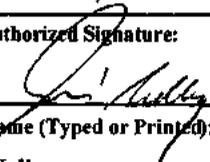
Credit card receipt has been e-mailed to winnerparts@winner-aviation.com

CERTIFICATE OF COMPLIANCE - Mouser Electronics, Inc. hereby certifies that the products furnished on this shipment were purchased solely from the original manufacturer or through the manufacturer's authorized distribution. The original manufacturer warrants and certifies that the products they produce meet their specifications. Evidence of this warranty and certification is maintained at the manufacturer and/or at Mouser. This pack list is the Evidence of Conformity that this shipment meets the requirements of Mouser's Quality Management System and/or Customer Purchase Order requirements agreed on between Mouser and Customer. Environmental compliance per producer documentation.

Charles Amsden
DIRECTOR OF QUALITY

THANK YOU FOR YOUR ORDER

THIS ORDER IS SUBJECT TO ALL TERMS AND CONDITIONS DISPLAYED AT: www.mouser.com/terms

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: A36953	
4. Organization Name and Address Southwind Aviation Supply L.L.C. 5700 N. Rockwell, Bethany, Okla. 73008 (Certificate No. UO9R076Y)					5. Work Order/Contract/Invoice Number: 36953	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Starter Generator	23080-001-1	1	291	OVERHAULED	
Alternate Part Number: 9912038-8						
12. Remarks: Overhauled and tested, I.A.W. Component Maintenance Manual for 23080 series I. ATA24-30-11. Revision 3, dated 10-16-14. Southwind Aviation Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 approval no. <u>145.5653</u> .						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service		
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 		14c. Approval/Certificate No: UO9R076Y
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): Jim Nalley		14e. Date (dd/mm/yyyy): 07/Mar/2018
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.						
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.						
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

Southwind Aviation

5700 N Rockwell
Bethany, OK 73008

Work Order Detail

March 07, 2018

Remit To:
PO Box 1256
Oakland FL 34760

Telephone: 405-491-0500

Fax: 405-491-0044

Work Order: 36953

Title: Avgroup

Department: Generator

Customer: Avgroup
Address: billing
1770 Corporate Drive
Suite 580
Norcross, Georgia 30093

Contact Name:
Account Code: AVGROUP
Target Date: 1/12/2018
Invoice #:
Date Closed:

Status: Open
P.O. #: R133589
Created: 12/29/2017
Posted:
Job #:

Item: 1 Starter Generator

Part #: 23080-001-1

Serial #: 291

Alternate Part #: 9912038-8

Squawk: 1 **Discrepancy:** Bearings and Brushes Require Replacement Per Overhaul.
Fan cover damaged
Terminal block broken

Resolution: Installed new bearings and brushes.
Replaced fan cover and terminal block.

Overhauled and tested, I.A.W. Component Maintenance Manual for 23080 series I. ATA
24-30-11. Revision 3, dated 10-16-14.
Mod level. C,H,J.

Signed Off: 3/7/2018 **By:** Ronald Gabriel (GABRIELR)
Completed: 3/7/2018 **By:** Jim Nalley (NALLEYJIM)

* End of Report *



AIRCRAFT ENTRY

5400 Airport Drive | Tel: 704-359-5230
Charlotte, NC 28208 | Fax: 704-359-0065

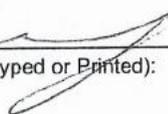
Date: 13 Aug 2018	Reg. #: N53RD	Model: CITATION	Serial: 5000415
Hobbs: 1491.2	Acft Hrs: 7780.7	Acft Cycles: 7856	Work Order: CLT-N7826

DISCREPANCIES/MISCELLANEOUS MAINTENANCE:

- 1.1. INCOMING INSPECTION
- 1.2. REMOVED GENERATOR CONTROL BOX P/N 51509-006BR S/N 3128 A INSTALLED COSTUMER PROVIDE OVERHAULED GENERATOR CONTROLLER UNIT P/N 51509-006BR S/N 8788A I/A/W CITATION C500 MM CHAPTER 24-30-02. OP'S CHECK OK.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

Signed 
For Jet Logistics Technical Services, CRS# R4OR880N

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 193462	
4. Organization Name and Address: AMETEK B&S Aircraft Parts & Accessories 1414 S Mosley Wichita, KS. 67211-3387 USA				5. Work Order/Contract/Invoice Number: Work Order No.: BEL102055 Customer RO.: 852086		
Certificate Number: NE2R028L				11. Status/Work:		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	GENERATOR CONTROL UNIT	51509-006BR 9912039-3	1.00	8788A	OVERHAULED	
12. REMARKS Approval for Return to Service. Overhauled, reference Component Maintenance Manual: 51509-006 SERIES Rev. 1 February 20, 2015, Ametek B&S Aircraft Parts & Accessories certifies that the work specified in Blocks 11 and 12 was carried out in accordance with EASA Part-145 and in respect to that work, the component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.4228. Full details held on work order BEL102055						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12				14a <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No:		14b. Authorized Signature:		14c. Approval/Certificate No: NE2R028L
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed): Rick Self 		14e. Date (dd/mmm/yyyy): 01/Feb/2018
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statement in Blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



AMETEK B&S Aircraft Parts & Accessories
1414 S Mosley
Wichita, KS. 67211-3387
US

Tear Down/Inspection
Work Order #: BEL102055
Date Printed: 01-Feb-18

Page: 1 of 1

To:
ATTN: ROTABLES MGR-BSA
QUEST AVIATION INC-LAKE CITY
173 SOUTHEAST NEWELL DRIVE
LAKE CITY, FL 32025
UNITED STATES

Ship To:
QUEST AVIATION INC-LAKE CITY
173 SOUTHEAST NEWELL DRIVE
LAKE CITY, FL 32025- UNITED STATES

Cust.PO Ref.: 652086 Cust.Phone: Cust.Email:
Cust.Code: 301445 Cust.Fax: Station: BSA

Incoming Part: 51509-006BR Incoming Mod Level: Description: GENERATOR CONTROL UNIT
Customer PN: 9912039-3 Serial Number: 8788A
Outgoing Part: 51509-006BR Outgoing Mod Level: Qty: 1
Customer PN: 9912039-3

Documentation: 51509-006 SERIES Rev#: 1 Rev Date: February 20, 2015 ATA#: 24-30-41

Symptoms:
OVERHAUL
Faults:
Q4 - SHORTED
Corrective Actions:
OVERHAULED
TESTED TO MANUFACTURER'S SPECIFICATIONS
OPEN LOOP TEST OK
CLOSED LOOP TEST OK
DIELECTRIC TEST OK
UNIT IS IN TRIPPED POSITION



Maintenance Transaction Record

CAMP MTR ID # 2928444



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng.#1 Serial No. _____
 Eng.#2 Serial No. _____
 APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	24-Oct-2018	KYNG	7835	7894	6510.7	10007	6383	8476			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
5-12-0B	1	2	PHASE B									
Comments:												
742010	2	1	NO. 2 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742010	3	1	NO. 1 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742020	4	1	NO. 1 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742020	5	1	NO. 2 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: SN-UNKNOWN.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	WINNER AVIATION	Certified Repair Station Number	W6NR985J	Work Order No.	JET7629
Work Performed By	WINNER AVIATION	Certificate No.	W6NR985J	Date	24-Oct-2018
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	ROBERT CELLARS	Certificate No.	W6NR985J	Date	24-Oct-2018
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
Section	Page

Maintenance Transaction Record

CAMP MTR ID # 2928457



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No. PCE-77347

Eng.#2 Serial No. _____

APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	24-Oct-2018	KYNG	7835	7894	6510.7	10007	6383	8476			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
5-12-0B	1	2	PHASE B									
Comments:												
742010	2	1	NO. 1 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742020	3	1	NO. 1 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	<u>WINNER AVIATION</u>	Certified Repair Station Number	<u>W6NR985J</u>	Work Order No.	<u>JET7629</u>
Work Performed By	<u>WINNER AVIATION</u>	Certificate No.	<u>W6NR985J</u>	Date	<u>24-Oct-2018</u>

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the

Federal Aviation Administration Other (Specify) _____ and

WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Work Inspected By	<u>ROBERT CELLARS</u>	Certificate No.	<u>W6NR985J</u>	Date	<u>24-Oct-2018</u>
-------------------	-----------------------	-----------------	-----------------	------	--------------------

Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log	
Section	Page

Maintenance Transaction Record

CAMP MTR ID # 2928468



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng.#1 Serial No. _____
 Eng.#2 Serial No. PCE-76361
 APU Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	24-Oct-2018	KYNG	7835	7894	6510.7	10007	6383	8476			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
5-12-0B	1	2	PHASE B									
Comments:												
742010	2	1	NO. 2 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												
742020	3	1	NO. 2 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4		NSN	WO	N	0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN.												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	<u>WINNER AVIATION</u>	Certified Repair Station Number	<u>W6NR985J</u>	Work Order No.	<u>JET7629</u>
Work Performed By	<u>WINNER AVIATION</u>	Certificate No.	<u>W6NR985J</u>	Date	<u>24-Oct-2018</u>
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	<u>ROBERT CELLARS</u>	Certificate No.	<u>W6NR985J</u>	Date	<u>24-Oct-2018</u>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
Section	Page

Approving Civil Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 6415567
Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 3299163	
6. Item: 20	7. Description: IGNITER	8. Part Number: FHE246-4	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New	
2. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: 1802468						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature: <i>Terry Weeks</i>	13c. Approval/Authorization No.: PC4	14b. Authorized Signature	14c. Approval Certificate No.			
13d. Name (Typed or Printed): TERRY WEEKS	13e. Date (dd/mm/yyyy): 22/Oct/2018	14d. Name (Typed or Printed)	14e. Date (dd/mm/yyyy)			
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 6415567	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 3299163	
6. Item: 10	7. Description: GASKET	8. Part Number: 3017452	9. Quantity: 4	10. Serial Number: N/A	11. Status/Work: New	
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: 1802468						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4		14b. Authorized Signature		14c. Approval/Certificate No.
13d. Name (Typed or Printed): TERRY WEEKS		13e. Date (dd/mm/yyyy): 22/Oct/2018		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (02-14)		NSN: 0052-00-012-9005				

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 6415567	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 3299163	
6. Item: 20	7. Description: IGNITER	8. Part Number: FHE246-4	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New	
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: 1802468						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4		14b. Authorized Signature		14c. Approval/Certificate No.
13d. Name (Typed or Printed): TERRY WEEKS		13e. Date (dd/mm/yyyy): 22/Oct/2018		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (02-14)		NSN: 0052-00-012-9005				

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 6415567	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 3299163	
6. Item: 20	7. Description: IGNITER	8. Part Number: FHE246-4	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New	
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: 1802468						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4		14b. Authorized Signature		14c. Approval/Certificate No.
13d. Name (Typed or Printed): TERRY WEEKS		13e. Date (dd/mm/yyyy): 22/Oct/2018		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (02-14)		NSN: 0052-00-012-9005				

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 6415567	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 3299163	
6. Item: 20	7. Description: IGNITER	8. Part Number: FHE246-4	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New	
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: 1802468						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4		14b. Authorized Signature		14c. Approval/Certificate No.
13d. Name (Typed or Printed): TERRY WEEKS		13e. Date (dd/mm/yyyy): 22/Oct/2018		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (02-14)		NSN: 0052-00-012-9005				



TEXTRON AVIATION

Maintenance Transaction Record

This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng.#1 Serial No. _____

Eng.#2 Serial No. _____

APU Serial No. _____

MTR ID # 2809203

Page 1 of 1

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1600, SUITE 1607
Wichita, KS 67226
Phone: 316-462-2267/ Fax: 316-462-0791

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Ttl Hrs	Engine 2 Ttl Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	14-Dec-2017	KYNG	7667.6	7809	6357.6	9839.6	6303	8378			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR	Material Costs	Man Hours
B243003	1	2	FUNCTIONAL CHECK BATTERY LEAD ACID BATTERY (CAPACITY CHECK): PHASE 54 INSPECTION		RG-380E/44		40775641					
Comments:												
A262003	2	2	WEIGHT CHECK COCKPIT PORTABLE EXTINGUISHER : PHASE 34 INSPECTION	COCKPIT	C352		D-00397961					
WEIGHT CHECK Date: 12-Dec-2017												
Comments:												
342065	3	1	STANDBY GYRO	STANDBY	501-1197-05		2108	UN	O	0 MTH 0 HRS		
Comments: Removed part no: 501-1197-05 Removed serial no: SN-UNKNOWN.												
243004	4	1	LEFT AMMETER	LEFT	C662501-0102		3059	UN	N	0 MTH 0 HRS		
Comments: Removed part no: C662501-0102 Removed serial no: 2161.												
2809203005	5	1	STATIC WICK		16920		NSN	UN	N	0 MTH 0 HRS		
Comments: REPLACED 7 EACH STATIC WICKS												
2809203006	6	1	NAV LIGHT BULB	RIGHT	WA7512-24		NSN	UN	N	0 MTH 0 HRS		
Comments:												
2809203007	7	1	ENGINE START CIRCUIT BREAKER	LEFT/RIGHT	S2899-7.5		NSN	UN	N	0 MTH 0 HRS		
Comments:												

Trans Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired / Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility WINNER AVIATION **Certified Repair Station Number** W6NR985J **Work Order No.** JET7191
Work Performed By _____ **Certificate No.** _____ **Date** 14-Dec-2017
 I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the
 Federal Aviation Administration Other (Specify) _____ and
 WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.
Work Inspected By ROBERT CELLARS **Certificate No.** W6NR985J **Date** 14-Dec-2017
 Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log	
Section	Page



Maintenance Transaction Record

MTR ID # 2774480

Page 1 of 1

This Maintenance Report is To Be Used Solely For (Check One)

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1600, SUITE 1607
Wichita, KS 67226
Phone: 316-462-2267/ Fax: 316-462-0791



Airframe
Entries

Eng. #1
Serial No. _____

Eng. #2
Serial No. _____

APU
Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	06-Sep-2017	KYNG	7621.8	7774	6311.8	9793.8	6268	8343			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No. Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status TSN/TSO/TSR	Material Costs	Man Hours
5-12-57	1 2	PHASE 57 INSPECTION								
Comments:										
CIL-32-03	2 3	NLG UPLOCK ROLLER BRACKET INSPECTION, SERVICE LETTER								
MOC: DECLINED										
Comments:										
500-32-51 REV 01	3 3	REPLACEMENT OF BLEEDER SCREWS AND FITTINGS WITH BLEEDER PLUGS, SERVICE BULLETIN								
MOC: DECLINED										
Comments:										

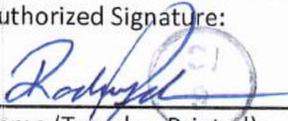
Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility	WINNER AVIATION	Certified Repair Station Number	W6NR985J	Work Order No.	JET7056
Work Performed By	BRADLEY GRABLE <i>Brad Grable</i>	Certificate No.	W6NR985J	Date	06-Sep-2017
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the					
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and					
WAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	TIM TOBEY <i>Tim Tobey</i>	Certificate No.	W6NR985J	Date	26-Sep-2017
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
Section	Page

1. Approving Civil Aviation Authority/Country: FAA/ United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 113673	
4. Organization Name and Address UNDERWOOD-Instrument Services, Inc. SN1R486K 3116 Kellway Drive, Suite 102 Carrollton, Texas 75006 USA				99669		
6. Item:	7. Description:	8. Part Number:	9. Quantity	10. Serial/Batch Number:	11. Status/Work:	
1	ATTITUDE INDICATOR	501-1197-05	1	2108	OVERHAULED	
12. Remarks: OVERHAULED in accordance with TP-218 Full details of work carried out per work order number 113673 UNDERWOOD-Instrument Services, Inc. certifies that the work specified in Blocks 11 and 12 was carried out in accordance with EASA Part 145 and in respect to that work the article is considered ready for release to service under EASA Part 145 approval number EASA 145.5210.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 		14c. Approval/Certificate No.: SN1R486K
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy)	14d. Name (Typed or Printed): RODNEY PEDERSEN		14e. Date (dd/mmm/yyyy): 28/AUG/2017	
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



RECEIVED: 05/22/2017

RDR NUMBER: 113673

UNDERWOOD-Instrument Services, Inc.

3116 Kellway Drive, Suite 102, Carrollton, TX 75006

REPAIR DATA REPORT

Customer: MARCH AVIATION, INC.,	P.O. Number: R075480	Date Req: 05/25/2017	Date Complete: 08/28/2017
Contact: BRENDAN HICKEY	Phone Number: 239/919-1374	Customer Code: 3664	Shop Code: EG

Unit Type: AI-804R	Manufacturer: J.E.T.	A/C Type:	Delivery Via: FEDEX P-1
Description: ATTITUDE INDICATOR	Serial No: 2108	A/C Reg #:	Way Bill: N/A
Part NO. 501-1197-05	Previous RDR: 113673	Publication Used: TP-218 RBC5 11/27/13	

Warranty Requested: NO	MOD STATUS: IN:
Warranty Expiration In: 04/07/2018	Warranty Expiration Out: 08/28/2018
Alternate Part No:	OUT:
	Customer Complaint Verified: YES

Customer Complaint/ Special Instructions:
AS SOON AS POWERED UP THE UNIT TUMBLES.

Initial Findings:
NO TROUBLE FOUND

Work Accomplished:
PERFORMED RECEIVING INSPECTION
PRELIMINARY INSPECTION
DISASSEMBLED UNIT
PERFORMED IN PROCESS VISUAL INSPECTION
OVERHAULED I/A/W MANUFACTURER'S SPECS
PERFORMED IN PROCESS VISUAL INSPECTION
REASSEMBLED UNIT
CALIBRATED UNIT
PRE-CLOSE-UP INSPECTION
REINSTALLED IN CASE
PERFORMED SHIPPING INSPECTION

THE ITEM IDENTIFIED ON THIS WORK ORDER WAS INSPECTED PER CURRENT FEDERAL AVIATION REGULATIONS AND FOUND TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE BY FAA CERTIFIED REPAIR STATION NO SN1R486K.

DATE COMPLETED: 8-28-17	TECHNICIAN: B. Klein	INSPECTOR:
----------------------------	-------------------------	----------------

MARCH AVIATION

INCORPORATED

3763 Enterprise Ave -Naples, FL 34104 - United States
 Tel : (239) 435-3940 Main Fax: (239) 435-3991
 Toll Free: (800) 211-8787 Sales Fax: (239) 435-4525
 www.marchaviation.com info@marchaviation.com



CORE RETURN SHEET



Print Date : Dec-06-2017 3:44 PM Printed By : David Shumate Print No. : 1

No. : 064971 Pg:1/1

For : Account No. [1773]	Ship To:
WINNER AVIATION CORP. Attn: ACCOUNTS PAYABLE JAMIE SHUSTER/ACCT. CLERK YOUNGSTOWN-WARREN REGIONAL AIRPORT 1453 YOUNGSTOWN-KINGSVILLE ROAD HANGAR 4 VIENNA, OH 44473 UNITED STATES Tel. : (330) 856-5000 651 Fax : (330) 856-4340	March Aviation 3763 Enterprise Ave - Naples, FL 34104 - United States Tel. : Tel : (239) 435-3940 Fax : Main Fax: (239) 435-3991

Issue Date : Dec-06-2017	Approved Date:	Expected Date : Dec-21-2017
S.O. No. : 073537	Our Ref : 073537	Domestic AWB :
Cust P.O. : PO17-03741	Your Ref : PO17-03741	Int'l AWB :
Ship Date :	Account# :	Origin :
Valid Till : Dec-21-2017	Tail # : N53RD	Transport :
Ship Via :	Lic No. :	Nationality
Shipping : Freight Collect	Expires :	Trip/Flight:
Our Contact : David Shumate Phone: 239-919-1375 Fax: 239-435-4525 Email dshumate@marchaviation.com		

Line	P/N & Description	Cnd	RMA Qty	Received	Unit Price	Amount
2	501-1197-05 GYRO ATTITUDE - STANDBY Cust P.O. :PO17-03741 R.M.A. Type:Qty Return For Credit	AR	1 EA	0		
<p>Core _____ Warranty _____ Returned Unused _____ Other _____</p> <p>Part Number Returned: _____ Serial Number: _____</p> <p>Part C.S.N.: _____ C.S.O.: _____ T.S.N.: _____ T.S.O.: _____</p> <p>Aircraft Model Number: _____ Aircraft Serial Number: _____</p> <p>Tail (N) Number: _____ A.A.T.T.: _____ A.A.T.C.: _____</p> <p>Squawk: _____</p> <p>Sign: _____ A/P#: _____</p> <p>I hereby certify that the above list unit was originally obtained from a FAA/PMA Holder or other qualified source and that this unit has not been subject to extreme stress or heat (as in a major engine failure, accident or fire).</p> <p>***** Please complete and return this sheet with your core/s to insure proper credit is issued. *****</p> <p>Return unit with the freight and insurance prepaid to the ship to address above.</p>						

		Sub Total:	\$ 0.00
<p>To avoid late fees and/or outright billing of replacement cost, all core units must be returned to us within 15 days of receipt. The core must be a like part number unless otherwise stated in writing. It must have a legible data tag with part number and serial number on it or it may be rejected. Excessive overhaul charges on your core unit plus any additional freight charges incurred will be billed as they become available. This may take up to 90 days from the receipt of your core or we will notify you otherwise.</p> <p>March Aviation does not pay for return shipping, duty or taxes on cores, nor do we accept COD shipments. March Aviation will not be held responsible for lost, misdirected, or refused shipments.</p>			
		Total: [USD]	\$ 0.00



Maintenance Transaction Record

MTR ID # 2680426

Page 1 of 1



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng. #1
Serial No. 77347

Eng. #2
Serial No. _____

APU
Serial No. _____

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1600, SUITE 1607
Wichita, KS 67226
Phone: 316-462-2267/ Fax: 316-462-0791

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	03-Feb-2017	KMQJ	7545	7696	6235	9717	6186	8261			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No. Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status TSN/TSO/TSR	Material Costs	Man Hours
742010	1 1	NO. 1 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE-246-4		NSN	WO	N 0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: SN-UNKNOWN. Installed new ignitor IAW P&WC JT15D-1A MM 74-20-02. Operational check completed satisfactory at this time.										
742020	2 1	NO. 1 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE-246-4 3030595		NSN	WO	N 0 MTH 0 HRS		
Comments: Removed part no: FHE-246-4 Removed serial no: NSN. Installed new ignitor IAW P&WC JT15D-1A MM 74-20-02. Operational check completed satisfactory at this time.										

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By RICHARD F. LEDERMAN	Certificate No. AP3650912	Date 03-Feb-2017
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
THE AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.		
Work Inspected By RICHARD F. LEDERMAN	Certificate No. AP3650912	Date 03-Feb-2017
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page
06	1



Maintenance Transaction Record

MTR ID # 2677488

Page 1 of 1



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng. #1
Serial No. 77347

Eng. #2
Serial No. _____

APU
Serial No. _____

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1600, SUITE 1607
Wichita, KS 67226
Phone: 316-462-2267/ Fax: 316-462-0791

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	23-Dec-2016	KMQJ	7545	7696	6235	9717	6186	8261			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No. Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status TSN/TSO/TSR	Material Costs	Man Hours
750010	1 1	NO. 1 ENGINE - LOW PRESSURE COMPRESSOR ANTI-ICING SOLENOID VALVE		3018531D		2017	UN	S		
Comments: Removed part no: 3244758-1 Removed serial no: SN-UNKNOWN. Installed serviceable Anti-Ice Stator Valve IAW P&WC JT15D-1A MM 75-00-02. All required leak and operational checks completed satisfactory at this time.										

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By RICHARD F. LEDERMAN	Certificate No. AP3650912	Date 23-Dec-2016
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and THE AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.		
Work Inspected By RICHARD F. LEDERMAN	Certificate No. AP3650912	Date 23-Dec-2016
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log

Section	Page
06	1



Maintenance Transaction Record

MTR ID # 2679379

Page 1 of 2

This Maintenance Report is To Be Used Solely For (Check One)

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1600, SUITE 1607
Wichita, KS 67226
Phone: 316-462-2267/ Fax: 316-462-0791



Airframe
Entries

Eng. #1
Serial No. 72347

Eng. #2
Serial No. _____

APU
Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	23-Dec-2016	KMQJ	7545	7696	6235	9717	6186	8261			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No. Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status TSN/TSO/TSR	Material Costs	Man Hours
5-12-01 051204	1 2	PHASE 1 INSPECTION								
Comments: Complied with Phase 1 inspection IAW Cessna 500 MM 05-12-01. All required operational and leak checks completed satisfactory at this time.										
5-12-02 051205	2 2	PHASE 2 INSPECTION								
Comments: Complied with Phase 2 inspection IAW Cessna 500 MM 05-12-02. All required operational and leak checks completed satisfactory at this time.										
5-12-03 051206	3 2	PHASE 3 INSPECTION								
Comments: Complied with Phase 3 inspection IAW Cessna 500 MM 05-12-03. All required operational and leak checks completed satisfactory at this time.										
5-12-04 051207	4 2	PHASE 4 INSPECTION								
Comments: Complied with Phase 4 inspection IAW Cessna 500 MM 05-12-04. All required operational and leak checks completed satisfactory at this time.										
057110	5 2	NO. 1 ENGINE - MINOR INSPECTION								
Comments: Completed engine Minor Inspection IAW P&WC JT15D-1A MM 70-00-00. All required operational and leak checks completed satisfactory at this time.										
057110	6 2	NO. 2 ENGINE - MINOR INSPECTION								
Comments: Completed engine Minor Inspection IAW P&WC JT15D-1A MM 70-00-00. All required operational and leak checks completed satisfactory at this time.										
052010C 052010C : R	7 2	INSPECT RIGHT SIDE WINDOW INSPECTION	RIGHT							
Comments: Performed prism inspection of right cockpit side window. All cracks in fastener holes are within serviceable limits at this time.										

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By <u>RICHARD F. LEDERMAN</u>	Certificate No. <u>AP3650912</u>	Date <u>23-Dec-2016</u>
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
THE AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.		
Work Inspected By <u>RICHARD F. LEDERMAN</u>	Certificate No. <u>AP3650912</u>	Date <u>23-Dec-2016</u>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page
06	01



Maintenance Transaction Record

MTR ID # 2679379

Page 2 of 2



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries

Eng. #1 Serial No. 77347

Eng. #2 Serial No.

APU Serial No.

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1600, SUITE 1607
Wichita, KS 67226
Phone: 316-462-2267/ Fax: 316-462-0791

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	23-Dec-2016	KMQJ	7545	7696	6235	9717	6186	8261			0

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No. Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status TSN/TSO/TSR	Material Costs	Man Hours
------	----------------------	-----------	----------	------------------------------	-----------	-------------	----------------	-----------------------------------	----------------	-----------

5-12-0B
051218

8 2 PHASE B
Comments: Complied with Phase B inspection IAW Cessna 500 MM 05-12-0B. All required operational and leak checks completed satisfactory at this time.

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other(note in comments)

Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____ Certified Repair Station Number _____ Work Order No. _____

Work Performed By RICHARD F. LEDERMAN Certificate No. AP3650912 Date 23-Dec-2016

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the
 Federal Aviation Administration Other (Specify) _____ and
 THE AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.

Work Inspected By RICHARD F. LEDERMAN Certificate No. AP3650912 Date 23-Dec-2016

Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log	
Section	Page
06	01

72-00-00

Table 601 Periodic Inspection

COMPONENT	NATURE OF INSPECTION	INSPECTION INTERVAL		
		DAILY/PREFLIGHT	MINOR	
ENGINE EXTERNALS			LT	RT
Tubing, Wiring, Control Linkage and Cables	Security of all accessible connections, clamps and brackets.		X RIR RIR	
	Evidence of wear, chafing, cracks and corrosion.		X RIR RIR	
	Evidence of fuel or oil leaks.		RIR RIR	
	Evidence of fraying, broken strands, security of cables and fittings.		X RIR RIR	
	Lubricate rod end connectors.		RIR RIR	
Engine Mounts	Security and condition		RIR RIR	
Compressor Inlet	Check compressor inlet area for cleanliness.	X	X RIR RIR	
	Check low pressure compressor blades and stator vanes for dirt deposits, corrosion and erosion.	X	X RIR	RIR
	Pre-SB7268/Pre-SB7300 JT15D-4, -4B and -4D engines: inspect LP compressor case inner diameter for evidence of fan blade rub revealing parent metal. In the event of rub, inspect rubbed area for cracks using fluorescent dye penetrant. Repeat inspection every 100 hours. Reject any case exhibiting cracks. Incorporate Pre-SB7300 on replacement case.		X	N/A N/A
	Post-SB7268/ Post-SB7300 JT15D-4, -4B and -4D engines: inspect silicone damping ring for damage and position.		X N/A	N/A
	JT15D-4, -4B and -4D engines not incorporating SB7264 or SB7369: inspect LP compressor bypass stator retaining rivets around circumference of LP compressor case. Ensure that all rivets are present and secure.	Every 300 hours		N/A N/A
Outer Bypass Duct	Check all bosses and brackets for evidence of bond separation (Ref. 72-70-03)		X RIR RIR	
Exhaust Duct	Cracks or distortion.		RIR RIR	
	Pre-SB7013 JT15D-1 and -1A engines: every 100 hours inspect 21 bolts (not lockwired) securing inner rear bypass duct to turbine exhaust duct.		X N/A	N/A

COMPONENT	NATURE OF INSPECTION	INSPECTION INTERVAL	
		DAILY/PREFLIGHT	MINOR
	Loosen bolts, then retorque to 32 to 36 lb.in. Replace and torque all missing bolts.		LT RT
No.4 Bearing Housing	Security of installation		X RAR RAR
	On Pre-SB7193 configuration: use a borescope to inspect No.4 bearing housing for security of retaining bolts and slab nuts. No borescope inspection is required on Post-SB7193 engines. Apply anti-galling compound (PWC06-032A) to threads of borescope plug port and install. Torque 25 to 35 lb.in. and lockwire. Do not exceed the torque value stated.		X RAR RAR
	Integrity of lockwire		RAR RAR
Accessories	Security of accessories		RAR RAR
Gas Generator Case - JT15D-4, -4B, -4D only: Pre-SB7240 engines with P/N 3020200, 3029241, 3029066 or 3106469-01 gas generator case (Ref. SB7217)	In-situ inspection using a borescope (Ref. 72-30-05). Inspect circumferential stitch weld: (1) Forward of bolts securing gas generator case deflector strips. (2) Welds forward and aft of stitch weld. (3) Longitudinal welds from containment to rear flange for cracks (Ref. Fig. 601). Viewed through a borescope, early distress of the case will be indicated as a black line, similar to a soft pencil line, and running alongside and adjacent to the welds. Suspect crack indication should be confirmed, ie. dye penetrant-inspected. Confirmed cracks in case are cause for removal; engine should be returned to an approved overhaul facility for repair.	Every 300 ± 50 hours	N/A N/A
Gas Generator Case - JT15D-4B only: Pre-SB7240 engines with P/N 3106469-01 gas generator case (Ref. SB7216)	In-situ inspection using a borescope (Ref. 72-30-05). Inspect gas generator case outer surface, paying particular attention to the following areas (Ref. Fig. 602): (a) Circumferential spot welds forward of the deflector retention bolt circle (Detail A). (b) Circumferential fusion welds (2) forward and aft of spot welds. (c) Longitudinal welds (1) along containment ring, and from containment ring to gas generator case rear flange. If a crack is detected, remove engine and send it to an approved overhaul facility for repair.	Every 150 hours	N/A N/A
HP Turbine Assembly: In-situ Inspection			
All JT15D-1, -1A, -1B and -4 engines not incorporating SB7297 or SB7317	Borescope inspection (see NOTES)	Initial inspection within 300 hours. Repeat inspection at intervals not to exceed 300 hours	RAR RAR
All JT15D-4B engines not	Borescope inspection (see NOTES)	Initial inspection within 300 hours TSN, 300 hours TSHSI,	N/A N/A

COMPONENT	NATURE OF INSPECTION	INSPECTION INTERVAL	
		DAILY/PREFLIGHT	MINOR
incorporating : SB7296 together with SB7297 or SB7317 or, SB7307 together with SB7297 or SB7317		300 hours TSO or 300 hours Time since previous inspection for HP turbine blade shift. Repeat inspection at intervals not to exceed 300 hours.	N/A
All JT15D-4D engines not incorporating: SB7296 together with SB7297 or SB7317 or, SB7307 together with SB7297 or SB7317	Borescope inspection (see NOTES)	Initial inspection within 25 hours. Repeat inspection at intervals not to exceed 300 hours	N/A
	NOTE: 1. Inspect HP turbine blades for evidence of blade shift using a 3 mm or a 4 mm flexible borescope. Blade forward movement in excess of 0.020 inch is reason for removal of the HP turbine for repair (Ref. 72-50-02).		
	NOTE: 2. Inspection with a a 5 mm or a 6 mm flexible borescope has proven extremely difficult and is no longer recommended.		
	NOTE: 3. Borescope access is achieved by passing the borescope probe between the blades of the LP turbine assembly. With the borescope in position, rotation of the HP rotor via the AGB starter generator driveshaft allows all HP turbine blades to be inspected. The extent of blade shift may be assessed by comparing with the HP turbine blade serration-to-serration pitch, which is 0.090 inch.		
Automatic Fuel Shutoff Mechanism (Post- SB7281/Pre- SB7306 only)	Using a borescope, inspect emergency fuel shutoff linkage to ensure security:		X N/A
	Borescope-inspect overspeed control shutoff linkage through the inspection port in exhaust duct cone. Verify cotterpin through D-headed bolt and castellated nut are intact. Castellated nut should be tight against the No. 4 bearing housing cover assembly.		X N/A
	Borescope-inspect overspeed control shutoff linkage through cut-out in rear inner bypass duct adjacent to shutoff valve. Access through back end of engine. Verify cotterpin through D-headed bolt and castellated		X N/A

COMPONENT	NATURE OF INSPECTION	INSPECTION INTERVAL	
		DAILY/PREFLIGHT	MINOR
	nut are intact. Castellated nut should be tight against the overspeed control bracket assembly.		
	Incorporate SB7306 before next flight if cotterpin is missing or security of linkage assembly appears compromised.		X N/A
	Apply anti-galling compound (PWC06-032A) to threads of borescope port plug and install plug in exhaust duct. Torque plug 25 to 35 lb.in. and lockwire. Do not exceed torque value stated.		
Overspeed Control Wire Rope (Pre-SB7288)	Using a borescope, inspect overspeed control wire rope clevis and ball end-to-cable joints for security:		X N/A
	Borescope-inspect clevis-to-wire rope joint through borescope inspection port in exhaust duct cone. Check for broken cable strands at joint.		
	Borescope -inspect ball end-to-wire rope joint through cut-out in rear inner bypass duct adjacent to emergency fuel shutoff valve. This area is accessible through the back end of the engine. Check for broken cable strands at the joint.		X N/A
	Incorporate SB7288 before next flight if any broken cable strands are found.		X N/A
	Apply anti-galling compound (PWC06-032A) to threads of borescope port plug and install plug in exhaust duct. Torque plug 25 to 35 lb.in. and lockwire. Do not exceed torque value stated.		
SYSTEMS			
Oil System	CAUTION: : DO NOT MIX DIFFERENT BRANDS OR TYPES OF OIL WHEN CHANGING OIL OR WHEN REPLENISHING OIL BETWEEN OIL CHANGES (REF. SB7001).		
Oil Change Interval	Oil quality is to be monitored on-condition and analyzed periodically as observations warrant (Ref. 72-00-00, SERVICING).		L+ RT
Oil Quantity	Check oil level (Ref. 72-00-00, SERVICING).	X	RT
	Check condition and security of oil filler cap (Ref. 79-30-01).	X	X RT
Oil Filter Element (cleanable) (Pre-	Remove the oil filter element and inspect for foreign matter (Ref. 79-20-01, OIL FILTER ELEMENT AND HOUSING - MAINTENANCE PRACTICES). Reject and	Every 200 hours	

COMPONENT	NATURE OF INSPECTION	INSPECTION INTERVAL	
		DAILY/PREFLIGHT	MINOR
SB7476 Engines)	replace unserviceable oil filter element.		LT RT
	Remove oil filter element and inspect for foreign matter. For cleaning and inspection (Ref. 79-20-01, OIL FILTER HOUSING AND PRESSURE RELIEF VALVE - MAINTENANCE PRACTICES). Reject and replace unserviceable oil filter element.	Every 800 hours or if oil change interval is warranted and at HSI interval (Ref. SB7003 for interval).	LT RT
Oil Filter Element (non-cleanable) (Post-SB7476 and Post-SB7581 Engines)	Remove the oil filter element and inspect for foreign matter (Ref. 79-20-01, OIL FILTER ELEMENT AND HOUSING - MAINTENANCE PRACTICES). Discard the oil filter if you find any foreign matter.	Every 200 hours and at HSI interval (Ref. SB7003 for interval).	
	Remove and inspect Post-SB7476 or Post-SB7581 oil filter element for foreign matter, then discard and replace (Ref. 79-20-01, OIL FILTER HOUSING AND PRESSURE RELIEF VALVE - MAINTENANCE PRACTICES).	Every 800 hours or if oil change interval is warranted.	
Fuel System			
Fuel	Check for presence of water.	X	LT RT
Fuel Pump	Check for security and fuel leaks.		LT RT
Fuel Pump Inlet Screen	Check screen for foreign matter and distortion. Clean and reinstall, or install new screen (Ref. 73-10-02), if necessary. Inspect screen after first flight following installation of engine.		X LT RT
	On new aircraft, check screen after each flight until no contamination is found.	X	LT RT
	Check screen after first flight or ground run whenever any component upstream of the screen is replaced.	X	X LT RT
Fuel Pump Outlet Filter (10 Micron)	Check for foreign matter and/or distortion. Install new filter at each inspection (Ref. 73-10-02).		X LT RT
Drain Valves	Security and leakage (Ref. 73-10-06).		LT RT
Fuel Control Unit	Security and leakage (Ref. 73-20-01).		X LT RT
	Free movement of linkage and ball joints for plav.		LT RT

COMPONENT	NATURE OF INSPECTION	INSPECTION INTERVAL	
		DAILY/PREFLIGHT	MINOR
	instructions to remove and replace torque tube gasket (Ref. CMM's 73-20-05, 73-20-10, 73-20-14 or 73-20-00). Refer to engine Illustrated Parts Catalog (IPC), Introduction - Applicable Documentation and to IPC Chapter 73-20-01 to select applicable CMM.		LT } RT
Flow Divider and Dump Valve	Security and leakage (Ref. 73-10-04).		X R/R R/R
	Free movement of linkage and ball joints for play.		R/R R/R
Ignition System			
Ignition Exciter	Security and condition (Ref. 74-10-01).		R/R R/R
Ignition Cables	Chafing, wear and security (Ref. 74-20-01).		X R/R R/R
Spark Igniters	Cleanliness and erosion (Ref. 74-20-02).		X R/R R/R
	Operational test (Ref. 74-00-00).		R/R R/R
Extreme Environment Inspection	For engine operating more than 40% of the time in zones considered extreme environmental harshness per environmental maps (Ref. Fig. 603).		X N/A N/A
	Inspect the intermediate case for corrosion. Treat for corrosion as required (Ref. 71-00-00, POWER PLANT - CLEANING).		X N/A N/A



Maintenance Transaction Record

MTR ID # 1999409

Page 1 of 1

This Maintenance Report is To Be Used Solely For (Check One)

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1600, SUITE 1607
Wichita, KS 67226
Phone: 316-462-2267/ Fax: 316-462-0791



Airframe Entries

Eng. #1
Serial No. 77347

Eng. #2
Serial No. _____

APU
Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	27-May-2012	BAZ	7240	7404	5916	7538	5860	7821			0

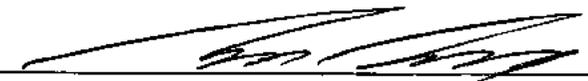
Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No. Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status TSN/TSO/TSR	Material Costs	Man Hours
792010 051003 : E1**L	1 2	NO. 1 ENGINE - CHANGE OIL								
Comments: CAV Phase 8 inspection. Serviced engine with 7 quarts of mobil 254. Leak check good.										

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - - Misc.

Removal Reasons: WO - Worn to Limits, SC - Scheduled, UN - Unscheduled, CO - Convenience, N - Other (note in comments)

Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By <u>TIM RUST</u>	Certificate No. <u>2880333</u>	Date <u>27-May-2012</u>
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
THE AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY APPROVED FOR RETURN TO SERVICE.		
Work Inspected By <u>TIM RUST</u> 	Certificate No. <u>2880333</u>	Date <u>27-May-2012</u>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page



Maintenance Transaction Record

MTR ID: 905781
Page 1 of 1



Citation Customer Service
The Cessna Aircraft Company
Post Office Box 7706
Wichita, KS 67277
Phone: 316-517-6291 / Fax: 316-517-8500

This Maintenance Report is To Be Used Solely For (Check One)
 Airframe Entries Eng. #1 Serial No. 77347 Eng. #2 Serial No. _____ APU Serial No. _____ Freon Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	Feb-23-2010	STS	7199	7363	5875	7497	5841	7782			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part Number	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours
051003	1	2	PHASE 8-OIL CHANGE	E1**L								

Comments: Phase 8 complied with #1 engine

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc. Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other(note in comments) Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By <u>Corey Wheeler</u> <i>[Signature]</i>	Certificate No. <u>563064190</u>	Date <u>Feb-23-2010</u>
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
the aircraft identified above is presently approved for return to service		
Work Inspected by _____	Certificate No. _____	Date <u>Feb-23-2010</u>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



Maintenance Transaction Record



Citation Customer Service
The Cessna Aircraft Company
Post Office Box 7706
Wichita, KS 67277
Phone: 316-517-6291 / Fax: 316-517-8500

This Maintenance Report is To Be Used Solely For (Check One)
 Airframe Entries
 Eng. #1 Serial No. _____
 Eng. #2 Serial No. _____
 APU Serial No. _____
 Freon Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	Oct-09-2009	STS	7159	7322	5835	7457	5800	7741			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Transaction		Item Name	Position	Part Number / Alternate Part Number	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours
Item No.	Type										
72SL-10	1 3	TRANSMIT P&W SBJT15D-72-7590	E1**L	SL500-72-10							

Comments: N/A by Impeller P/N3032145 S/N 4B182

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc.
 Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other (note in comments)
 Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By <u>Corey Wheeler</u> <i>Corey Wheeler</i>	Certificate No. 563064190	Date Oct-09-2009
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
the aircraft identified above is presently approved for return to service		
Work Inspected by _____	Certificate No. _____	Date Oct-09-2009
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



AVIATION MAINTENANCE GROUP, Inc.
8352 Kimball Ave. Bldg. F350 #3
Chino, CA 91708
F.A.A. APPROVED REPAIR STATION NO. VUXR007X

A/C REG NO: N53RD
MAKE: Citation 500
A/C S/N: 415
TOTAL LANDINGS: 7278
TTAC: 7082.1

#1 ENGINE TSN: 5755.9
#1 ENGINE CSN: 5745
#2 ENGINE TSN: 7380.0
#2 ENGINE CSN: 7694

LEFT ENGINE
PRATT & WHITNEY JT15D-1A
S/N: PC-E77347

COMPLIED WITH THE FOLLOWING:

Phase 4 #1 Engine Inspection

Phase 8 #1 Engine Inspection

THE AIRCRAFT AIRFRAME, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED WITH RESPECT TO WORK PERFORMED AT THIS TIME FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS LOCATION.

UNDER WORK ORDER NUMBER: 21222

Date: 2-3-09

SIGNED



F.A.A. APPROVED REPAIR STATION NO. VUXR007X

Maintenance Transaction Record



Citation Customer Service
 The Cessna Aircraft Company
 Post Office Box 7706
 Wichita, KS 67277
 Phone: 316-517-6291 / Fax: 316-517-8500

This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries Eng. #1 Serial No. _____ Eng. #2 Serial No. _____ APU Serial No. _____ Freon Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 TII Cycles	Engine 2 TII Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	Jan-21-2008		6850	7058	5525	7149	5526	7476			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Transaction Item	No.	Type	Item Name	Position	Part Number / Alternate Part Number	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours
051003	1	2	PHASE 8-OIL CHANGE	E1**L								

Comments: Complied with Phase 8 inspection

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc. Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other (note in comments) Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By Corey Wheeler	Certificate No. 563064190	Date Jan-21-2008
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
the aircraft identified above is presently approved for return to service		
Work Inspected by _____	Certificate No. _____	Date Jan-21-2008
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



Maintenance Transaction Record



Citation Customer Service
The Cessna Aircraft Company
Post Office Box 7706
Wichita, KS 67277
Phone: 316-517-6291 / Fax: 316-517-8500

This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng. #1 Serial No. 77347
 Eng. #2 Serial No. _____
 APU Serial No. _____
 Freon Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	Oct-05-2007	MHR	6773	6987	5448	7072	5455	7395			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part Number	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours
051208	1	2	PHASE 4 INSP ENG NO1	E1**L								
Comments: Performed Phase 4 Inspection per Cessna Model 500 MM and P&W JT15D-1A MM Table 601.												
38346002	2	-	Drain Mast									
Comments: Replaced engine drain mast to gearbox vent tube coupling with new per Cessna Model 500 MM.												
38346003	3	-	Electrical Harness									
Comments: Tightened anti-ice valve and N1 Tach Gen cannon plugs and re-safted numerous cannon plugs to engine components as required per Cessna Model 500 MM.												
38346004	4	-	Anti-Ice V-Band Clamp									
Comments: Tightened bleed air anti-ice valve V-Band clamp as required per P&WC JT15D-1A MM.												
38346005	5	-	Throttle Linkage									
Comments: Removed DC33 grease from throttle/fuel cutoff linkage and rod ends per P&WC JT15D-1A MM.												
38346006	6	-	Starter/Generator									
Comments: Replaced Starter/Generator (see airframe log entry this date)for seizing up during post maintenance run. Performed following maintenance per Oliver Hoe at P&WC. Drained oil from gearbox and inspected for contamination with no defects noted. Examined oil filter with no defects noted. Inspected starter drive spline coupling with no defects noted. Serviced oil with 8 quarts mobil 254 and peformed ground test with no defects noted. All work performed per P&W JT15D-1A MM.												

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc. Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other(note in comments) Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility Mather Aviation, LLC	Certified Repair Station Number PCPR439B	Work Order No. 413082
Work Performed By Mather Aviation, LLC	Certificate No. PCPR439B	Date Oct-05-2007
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and and was found airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency under the above work order no.		
Work Inspected by S. Harmon	Certificate No. PCPR439B	Date Oct-05-2007
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-WV-R-2003-11-07



ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

BROUGH FORWAR



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Engine Services, Inc.

10641 Calle Lee - Suite 185

Los Alamitos, CA 90720

FAA CRS # EJ3R477L

ACFT. TYPE: Citation I	ACFT. S/N: ⁴¹⁵ 500-0321 N#: 53RD	ACFT. TTSN: 6613.7 ACFT. TCSN: 6814	HOUR METER: <div style="text-align: right; font-weight: bold;">N/A</div>
ENG. MODEL: JT15D-1A	ENG. SN# 77347	ENG. TTSN: 5288.5 ENG. TSO: 1794.4	ENG. TCSN: 5282 ENG. CSO: 2259

Page: 1 of 1

Complied with a in shop Hot Section Inspection. All components were repaired/inspected in accordance with P&WC Maintenance Manual P/N 3017542 rev. 36 dated MAY/12/06, Overhaul Manual P/N 3017543 rev. 26 dated MAY/13/05, and Service Bulletins 7604R01 and 7317. Pertinent assemblies are approved for return to service following installation and a documented satisfactory ground performance run. Reference Maintenance Manual procedures for required runs. Attach run sheets to this page of the logbook.

HT Disk Assy P/N 3118177-01 S/N 2K007 TTSN: 5288.5 TCSN: 5282
 HT Blades P/N 3070381-01 TTSN: 0.0
 HT Stator P/N 3041661 S/N 5A478 F/C 12.34 (PWC) TSO: 0.0
 S.E.D. P/N 3031463 S/N 116-135 TSO: 0.0

This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under Sales Order: 143123

DATE: 12/20/2006

Approved Inspector:

Adrian Fieda

January 08, 2007

Mather Aviation LLC

N53RD
 JT15D-1A ENG S/N PCE 77347
 W.O. 411927

Mather Field, CA.
 CRS# PCPR439B
 Ph. 916.364.4711



ACTT: 6613.7 hrs. TL 6814 Eng TSN: 5288.5 TCSN: 5282 TSO: 1794.4 CSO: 2259

This is a permanent part of the **Left Engine Records**. Pertinent details of the work performed are on file at this Repair Station. The following repairs or component part replacements were Accomplished in accordance with Pratt and Whitney of Canada JT15D-1A Engine Maintenance Manual.

1. Reinstalled left engine components that were removed for Hot section inspection including H.T. Disk P/N 3118177-01 S/N 2K007, Large exit duct P/N 3029065 S/N 0658, Combustion liner P/N 3035239 S/N 270, Small exit duct P/N 3031463 S/N 116-135, L. T. support assembly P/N 3023708 S/N 1174 that were repaired by CRS EJ3R477L. Number 4 bearing housing P/N 3101995-01 that was inspected by CRS EJ3R477L. Removal and installation was accomplished in accordance with EMM Chapter 72-00-00. Complied with PWC Service bulletin no. 7324R9 replacement of 'C' flange bolts P/N MS 9696-08. Performed PWC 5 five point ground (see attached sheet.)

Technician(s): R. Nielson

I certify that this aircraft and/or component identified above was repaired and or inspected in accordance with current Federal Aviation Regulations, and is approved for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency under the above referenced Work Order.

Inspector:
 Robert J. Piza for CRS# PCPR439B

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

Maintenance Transaction Record

Citation Customer Service
The Cessna Aircraft Company
Post Office Box 7706
Wichita, KS 67277
Phone: 316-517-6291 / Fax: 316-517-8500

Airframe Entries Eng. #1 Serial No. 77347

This Maintenance Report is To Be Used Solely For (Check One)

Eng. #2 Serial No. _____ APU Serial No. _____

Freon Serial No. _____



Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	Nov-08-2006		6602	6795	5278	6902	5263	7213			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Transaction Item No.	Type	Item Name	Position	Part Number / Alternate Part Number	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours
051003	1 2	PHASE 8-OIL CHANGE	E1**L			PC-E77347					
Comments:											

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc. Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other (note in comments) Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By <u>Corey Wheeler</u>	Certificate No. <u>563064190</u>	Date <u>Nov-08-2006</u>
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
the aircraft identified above is presently approved for return to service		
Work Inspected by <u>Corey Wheeler</u>	Certificate No. <u>563064190</u>	Date <u>Nov-08-2006</u>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



1. Approving National Aviation Authority/Country: **FAA/UNITED STATES**
 2. Form Tracking Number: **1355949**
 3. Form: **8-30-3 AIRWORTHINESS APPROVAL TAG**
 4. Organization: **Cessna Aircraft Company - JET**
Citation Parts Distribution
7121 Southwest Boulevard, Wichita, KS 67215
 5. Work Order/Contractive Number: **74287**
 6. Item: **1** Description: **FILTER** Part Number: **3036376** Eligibility: **5** 10. Country: **1** 11. Serial/Part Number: **N/A** 12. Status/No: **Net**

13. Remarks: **AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.**

14. Certify the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 11.
 Other regulations specified in block 16.
 16. CFR 43.9 Return to Service Other regulations specified in block 16.
 15. Approved/Installer No.: **100129CE** 21. Authorized Signature: _____ 22. Date (month): **SEP/07/2005**

17. Name (Typed or Printed): **MATTHEW W. MCENTIRE, ODARF** 18. Date (month): **SEP/07/2005**
 User/Installer Responsibilities: _____
 It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority, different from the airworthiness authority of the country specified in Block 10, it is essential that the user/installer ensures that their airworthiness authority accepts part/component/assemblies from the airworthiness authority of the country specified in Block 10. Blocks 14 and 15 do not constitute installer certification. In all cases, aircraft maintenance records must contain an installer certification issued in accordance with the national regulations of the user/installer before the aircraft may be flown.
 FAA Form 8130-3 (6-01) Installer must cross-check applicability with applicable technical data.

1355949
 ITEM: 1 PN: 3036376 QTY: 1
 ORDER: 1355949N/LOT: N/A U/M: EA
 DESC: FILTER

CESCOM

Maintenance Transaction Record

MTR ID: 296500
 Page 1 of 1



This Maintenance Report is To Be Used Solely For (Check One)
 Airframe Entries Eng. #1 Serial No. 77347 Eng. #2 Serial No. _____ APU Serial No. _____ Freon Serial No. _____

Aircraft Identification and Status										
Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
8-2006		6602	6795	5278	6902	5263	7213			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished										
Position	Part Number / Alternate Part Number		Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours	
E1**L				PC-E77347						

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc. Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other (note in comments) Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility	Certified Repair Station Number	Work Order No.
Work Performed By <u>Corey Wheeler</u>	Certificate No. <u>563064190</u>	Date <u>Nov-08-2006</u>
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the the aircraft identified above is presently approved for return to service		
Work Inspected by <u>Corey Wheeler</u>	Certificate No. <u>563064190</u>	Date <u>Nov-08-2006</u>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



Maintenance Transaction Record

Citation Customer Service
The Cessna Aircraft Company
Post Office Box 7706
Wichita, KS 67277
Phone: 316-517-6291 / Fax: 316-517-8500

This Maintenance Report is To Be Used Soley For (Check One)

Airframe Entries
 Eng. #1 Serial No. 77347
 Eng. #2 Serial No. _____
 APU Serial No. _____
 Freon Serial No. _____

5211.3 6748.7 5133 7074



Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	Oct-05-2005		6451	665	7487.7	4825.30	7000/701	50-6522			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Transaction Item	No.	Type	Item Name	Position	Part Number / Alternate Part Number	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours
051208	1	2	PHASE 4 INSP ENG NO1	E1**L								
Comments: COMPLIED WITH PHASE 4 INSPECTION.												
051003	2	2	PHASE 8-OIL CHANGE	E1**L								
Comments: COMPLIED WITH PHASE 8 INSPECTION. SERVICED WITH 7 QTS MOBIL 254.												
742001	3	1	IGNITOR	E1*LI	FHE-246-4 / 3030595			W	N			
Comments: Removed Part No: FHE-246-4.												
742001	4	1	IGNITOR	E1*LO	FHE-246-4 / 3030595			W	N			
Comments: Removed Part No: FHE-246-4.												

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc. Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other (note in comments) Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility	KW SERVICES INC.	Certified Repair Station Number		Work Order No.	
Work Performed By	KRISTOFFER C WERTH	Certificate No.	334708720	Date	Oct-05-2005
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and the aircraft identified above is presently approved for return to service					
Work Inspected by	KRISTOFFER C WERTH	Certificate No.	334708720	Date	Oct-05-2005
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



Citation Customer Service
The Cessna Aircraft Company
Post Office Box 7706
Wichita, KS 67277
Phone: 316-517-6291 / Fax: 316-517-8500



This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng. #1 Serial No. 77347
 Eng. #2 Serial No. _____
 APU Serial No. _____
 Freon Serial No. _____

Aircraft Identification and Status													
A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N50KR	Oct-07-2004		6301.0	6510	7051.0	4351.0	7545	4907			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished													
Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part Number	Mcd Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours	
742001	1	1	IGNITOR	E1*LI	FHE-246-4 / 3030595			W	N				
Comments: Removed Part No: FHE-246-4 Removed Serial No: UNK.													
742001	2	1	IGNITOR	E1*LO	FHE-246-4 / 3030595			W	N				
Comments: Removed Part No: FHE-246-4 Removed Serial No: UNK.													
051004	3	2	PHASE 8-OIL CHANGE	E2**R									
Comments: Complied with Phase 8 Inspection. Serviced with 8 Qts Mobil 254. Leak CK Good.													

Removal Reasons: W - Worn to Limits, S - Scheduled, U - Unscheduled, C - Convenience, N - Other (note in comments) Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable/Used/Inspected, O - Overhauled

Repair Facility _____	Certified Repair Station Number _____	Work Order No. _____
Work Performed By Kristoffer Werth	Certificate No. 334708720	Date Oct-07-2004
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and the aircraft identified above is presently approved for return to service		
Work Inspected by Kristoffer Werth	Certificate No. 334708720	Date Oct-07-2004
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



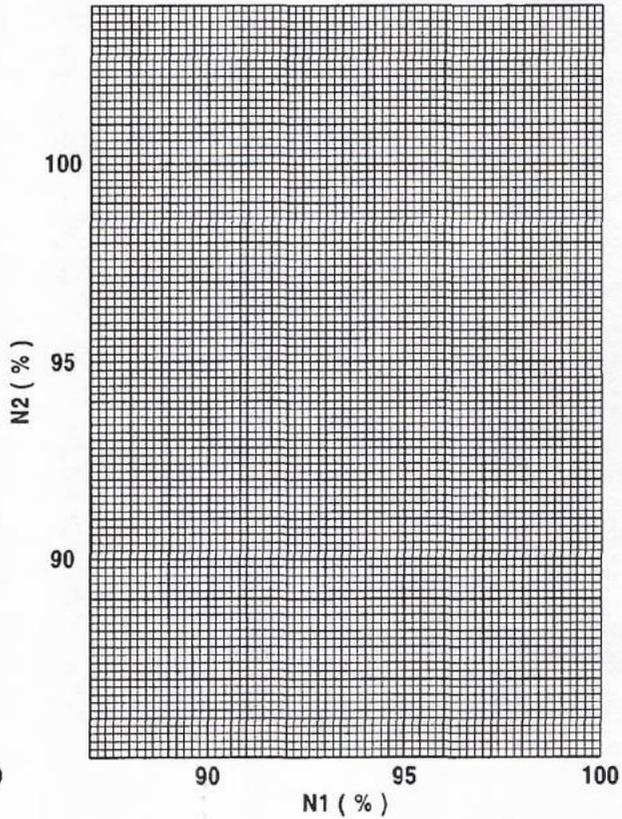
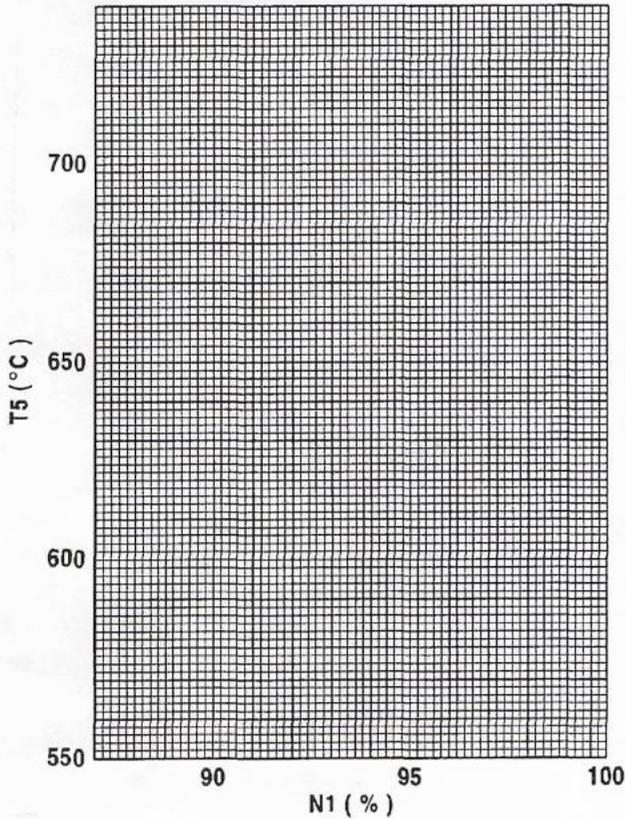
PRATT & WHITNEY CANADA
 MAINTENANCE MANUAL
 MANUAL PART NO. 3017542

POST HSI ENG RUN

TABLE 503

DATE: 1-8-07
 ENGINE S/N: PCE 77347
 PRESSURE ALTITUDE (FT): 90 FT
 AMBIENT TEMPERATURE (°C): 38 F
 RATED T/O N1 (%): 95.5
 MAX N2 (%): 93.8
 MAX T5 (°C): 675

CONDITION	OBSERVED DATA			CORRECTED DATA			COMMENTS
	N1 %	N2 %	T5 (°C)	N1 %	N2 %	T5 (°C)	
T/O N1	95.5	95	620				
-2%	93.5	91	610				
-4%	91.5	90	590				
-6%	89.5	88	570				
-10%	85.5	86	540				



C32968

Engine Calibration and Performance Check Curve
 Figure 514



Maintenance Transaction Record

Citation Customer Service
 The Cessna Aircraft Company
 Post Office Box 7706
 Wichita, KS 67277
 Phone: 316-517-6291 / Fax: 316-517-8500

This Maintenance Report is To Be Used Solely For (Check One)

Airframe Entries
 Eng. #1 Serial No. _____
 Eng. #2 Serial No. _____
 APU Serial No. _____
 Freon Serial No. _____

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Engine 1 Total Hrs	Engine 2 Total Hrs	Engine 1 Ttl Cycles	Engine 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
500-0415	0629	N53RD	Jan-11-2007		6614	6814	5289	6913	5282	7232			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Item	Transaction No.	Type	Item Name	Position	Part Number / Alternate Part Number	Mod Level	Part Serial	Removal Reason	Installed Part Status	TSO Installed Part	Material Costs	Man Hours
051001	1	2	PHASE 25 HOT SECTION L/H	E1**L								

Comments:

Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, - - Misc.
 Removal Reasons: W - Worn to Limits, G - Scheduled, U - Unscheduled, C - Convenience, N - Other(note in comments)
 Installed Part Status: N - New, R - Repaired/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility Mather Aviation LLC	Certified Repair Station Number CRS# PCPR439B	Work Order No. 411927
Work Performed By _____	Certificate No. _____	Date Jan-11-2007
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the		
<input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and		
the aircraft identified above is presently approved for return to service		
Work Inspected by _____	Certificate No. _____	Date Jan-11-2007
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page

CSNA-1023-W-R-2003-11-07



1. Approving Authority: Federal Aviation Authority /Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 143123 - 0005
--	---	---

4. Organization Name and Address: Pratt & Whitney Engine Services, Inc. 10641 Calle Lee - Suite 185 Los Alamitos, CA 90720 (EJ3R477L)	5. Work Order/Contract/Invoice Number: 143123
---	---

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	L.T. SUPPORT ASSY.	3023708	N/A	1	1174	REPAIRED

13. Remarks:

Disassembled, cleaned, and inspected. Assembled LT Support Assy with twelve overhauled fuel nozzle tips. Complied with 500 psi fuel transfer tube leak check, primary/secondary leak rate, and operational check of the emergency fuel shutoff. Installed C.C. Liner onto L.T. Stator Support using 5 serviceable and 1 new support pins. All work performed in accordance with the P&WC JT15D-1A Maintenance Manual, part number 301754, Revision No. 36 and Dated May 12/2006.

Engine S/N Part Removed From: 77347 TTSN: 5288.5 TCSN: 5282 TSO: 1794.4

14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.
---	---

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:  	21. Approval/Certificate No.: CRS: EJ3R477L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Martin Delisle	23. Date (m/d/y): Dec 19, 2006

User/Installer Responsibilities:

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

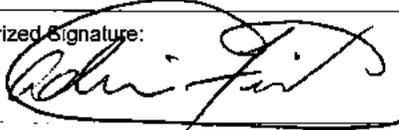
1. Approving Authority: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 143123 - 0006
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4. Organization Name and Address: Pratt & Whitney Engine Services, Inc. 10641 Calle Lee - Suite 185 Los Alamitos, CA 90720 (EJ3R477L)	5. Work Order/Contract/Invoice Number: 143123
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6. Item: 1	7. Description: SMALL EXIT DUCT	8. Part Number: 3031463	9. Eligibility: N/A	10. Quantity: 1	11. Serial/Batch Number: 116-135	12. Status/Work: REPAIRED
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13. Remarks:
Disassembled, cleaned and inspected Small Exit Duct Assy. Installed an overhauled H.T. Stator, overhauled Small Exit Duct, new seal ring, and new segments. Assembled and preground to required limits. All work performed in accordance with the P&WC JT15D-1A Maintenance Manual P/N 3017542 rev. 36 dated MAY/12/06.
Engine S/N Part Removed From: 77347
HT Stator P/N 3041661 S/N 5A478 F/C 12.34 PWC

14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.
---	---

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate No.: CRS: EJ3R477L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Adrian Fieda	23. Date (m/d/y): Dec 20, 2006

User/Installer Responsibilities:

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

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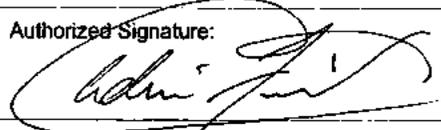
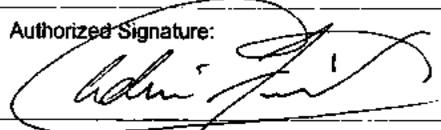
1. Approval Authority: National Aviation Authority/Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 143123 - 0001
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4. Organization Name and Address: Pratt & Whitney Engine Services, Inc. 10641 Calle Lee - Suite 185 Los Alamitos, CA 90720 (EJ3R477L)				5. Work Order/Contract/Invoice Number: 143123		
6. Item: 1	7. Description: #4 BEARING HOUSING	8. Part Number: 3101995-01	9. Eligibility: N/A	10. Quantity: 1	11. Serial/Batch Number: N/A	12. Status/Work: INSPECTED

13. Remarks:

Disassembled, cleaned and inspected. Flow tested #4 bearing cover. Reassembled to #4 bearing housing/cover assembly. Assembled with all new packings, seals and gaskets. Installed #4 Bearing housing/cover assy. onto Exhaust Duct. All work performed in accordance with the P&WC JT15D-1A Maintenance Manual, part number 3017542, Revision #36, dated May 12, 2006.

Engine S/N Part Removed From: 77347 TTSN: 5288.5 TCSN: 5282

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.	
15. Authorized Signature: 	16. Approval/Authorization: No	20. Authorized Signature: 	21. Approval/Certificate No.: CRS: EJ3R477L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Adrian Fieda	23. Date (m/d/y): Dec 19, 2006

User/Installer Responsibilities:

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

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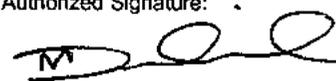
1. Approving Authority: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 143123 - 0004
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4. Organization Name and Address: Pratt & Whitney Engine Services, Inc. 10641 Calle Lee - Suite 185 Los Alamitos, CA 90720 (EJ3R477L)	5. Work Order/Contract/Invoice Number: 143123
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6. Item: 1	7. Description: LARGE EXIT DUCT	8. Part Number: 3029065	9. Eligibility:* N/A	10. Quantity: 1	11. Serial/Batch Number: 0658	12. Status/Work: REPAIRED
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13. Remarks:
Cleaned, inspected, and weld repaired by CRS #VTVR906K, under work order #4500899965. All work performed in accordance with the P&WC JT15D-1A Overhaul Manual, part number 3017543, Revision #26, Section 72-50-01 and Dated May/13/2006.
Engine S/N Part Removed From: 77347 TTSN: 5288.5 TCSN: 5282 TSO: 1794.4

14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.
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15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:  	21. Approval/Certificate No.: CRS: EJ3R477L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Martin Delisle	23. Date (m/d/y): Dec 19, 2006

User/Installer Responsibilities:

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

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1. Approving Authority: National Aviation Authority/Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 143123 - 0003
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4. Organization Name and Address: Pratt & Whitney Engine Services, Inc. 10641 Calle Lee - Suite 185 Los Alamitos, CA 90720 (EJ3R477L)	5. Work Order/Contract/Invoice Number: 143123
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6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	H.T. DISK ASSY.	3118177-01	N/A	1	2K007	REPAIRED

13. Remarks:

Disassembled, cleaned and inspected H.T. Disk Assy. Installed 71ea. new H.T. blades p/n 3070381-01 per SB 7317. Skimcut and balanced then installed trim weights and airseal. All work was performed in accordance with P&WC Maintenance Manual P/N 3017542 rev. 36 dated MAY/12/06 and Overhaul Manual P/N 3017543 rev. 26 dated MAY/13/05.

Component was removed from engine s/n 77347
 Service Bulletin 7604R1 was complied with at this visit.

HT Disk P/N 3023411 S/N 2K007 TTSN: 5288.5 TCSN: 5282
 HT Blades P/N 3070381-01 TTSN: 0.0

- memo 7297

14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.
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15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate No.: CRS: EJ3R477L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Adrian Fieda	23. Date (m/d/y): Dec 20, 2006

User/Installer Responsibilities:

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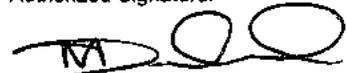
1. Approving Authority: Federal Aviation Authority /Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 143123 - 0002
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4. Organization Name and Address: Pratt & Whitney Engine Services, Inc. 10641 Calle Lee - Suite 185 Los Alamitos, CA 90720 (EJ3R477L)	5. Work Order/Contract/Invoice Number: 143123
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6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	COMBUSTION LINER	3035239	N/A	1	270	REPAIRED

13. Remarks:
 Cleaned, inspected, weld repaired and R & R 12 fuel nozzle housing by CRS #VTVR906K, under work order #4500899965. All work performed in accordance with the P&WC JT15D-1A Overhaul Manual, part number 3017543, Revision #26, Section 72-40-01 and Dated May/13/2006.
 Engine S/N Part Removed From: 77347 TTSN: 5288.5 TCSN: 5282 TSO: 1794.4

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input checked="" type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.
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15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:  	21. Approval/Certificate No.: CRS: EJ3R477L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Martin Delisle	23. Date (m/d/y): Dec 19, 2006

User/Installer Responsibilities:

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MAINTENANCE TRANSACTION REPORT

Citation Product Support
 The Cessna Aircraft Company
 Post Office Box 7706/Wichita, KS 67277
 Telefax: 316-517-8500/Phone: 316-517-6291

This Maintenance Transaction Report is To Be Solely For (Check One)

Airframe Entries
 Eng. #1 Serial No. PC-E77347
 Eng. #2 Serial No. _____
 APU Serial No. _____
 Freon Serial No. _____

Aircraft Identification and Status													
A/C Serial #	A/C Unit No.	A/C Registration No.	Date	City Identifier	Total A/C Hrs.	Total A/C Landings	Total Engine Hours		Total Engine Cycles		APU Hours	APU Events	Freon Hours
500-415	629	N50KR	08-29-03	MKE	6165.7	6413	No. 1 4841.05	No. 2 6464.25	No. 1 4851	No. 2 6801			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished														
Do Not Write In This Space	Transaction No.	Type	Item Name	Position	Installed Vendor Part No.	Mod Level	Installed Serial Number	Removal Reason	Installed Part Status	TBO Enter # Change Desired	TSO Installed Part	Material Costs	Man Hours	
	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													

Type Transaction

1. Component Change
2. Inspection Accomplished
3. Service Bulletin Accomplished
4. Airworthiness Directive Accomplished

Detail Method of Compliance Under Comments Below

Removal Reason Enter one:

- W—Worn to Limits
- S—Scheduled
- U—Unscheduled
- C—Convenience
- N—Other (Note Below)

Installed Part Status

- N—New
 - R—Repaired
 - S—Serviceable
 - O—Overhauled
- If Overhauled Part Enter Overhaul Agents Name Under Comments

This Space For Other Maintenance Comments Including, Test or Calibration Dates, Removed Serial Numbers, Etc.

Ref. No.	Comments
1	Removed #4 bearing housing, disassembled, cleaned, reassembled with all new seals and installed. Leak check good.

Repair Facility	Werth Flying Service Inc.	Certificated Repair Station No.	Work Order No.	08-29-2003
Work Performed By:	KRISTOFFER C. WERTH	Certificate No.	IA334708720AP	Date
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the				
<input checked="" type="checkbox"/> Federal Aviation Administration and the aircraft identified above is presently airworthy and approved for return to service. <input type="checkbox"/> Other (Specify) _____				
Work Inspected By		Certificate No.	IA334708720AP	Date
	Signature			08-29-2003

Werth Flying Service Inc.
AIRCRAFT MAINTENANCE
 923 E. Layton Ave.
 Milwaukee, WI 53207
 414-744-8330

Maintenance Log	
Section	Page
Scheduled Removal Due (TAT)	

Permanent Aircraft Record-File In Maintenance Log

cescom

MAINTENANCE TRANSACTION REPORT

Citation Product Support
The Cessna Aircraft Company
 Post Office Box 7706/Wichita, KS 67277
 Telefax: 316-517-8500/Phone: 316-517-6291

This Maintenance Transaction Report is To Be Solely For (Check One)

Airframe Entries
 Eng. #1 Serial No. PC-E77347
 Eng. #2 Serial No. _____
 APU Serial No. _____
 Freon Serial No. _____

Aircraft Identification and Status													
A/C Serial #	A/C Unit No.	A/C Registration No.	Date	City Identifier	Total A/C Hrs.	Total A/C Landings	Total Engine Hours		Total Engine Cycles		APU Hours	APU Events	Freon Hours
500-415	629	N50KR	08-29-03	MKE	6165.7	6413	No. 1 4841.05	No. 2 6464.25	No. 1 4851	No. 2 6801			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished													
Do Not Write In This Space	Transaction No. Type		Item Name	Position	Installed Vendor Part No.	Mod Level	Installed Serial Number	Removal Reason	Installed Part Status	TBO Enter # Change Desired	TSO Installed Part	Material Costs	Man Hours
		1	2	JT15D MINOR INSPECTION									
	2	2	PHASE 2										
	3	2	PHASE 3										
	4	2	PHASE 4										
	5	2	PHASE 5										
	6	2	PHASE B										
	7	1	IGNITOR	#1*IB	FHE246-4			U	N				
	8	1	IGNITOR	#1*OB	FHE246-4			U	N				

<p>Type Transaction</p> <ol style="list-style-type: none"> 1. Component Change 2. Inspection Accomplished 3. Service Bulletin Accomplished 4. Airworthiness Directive Accomplished 	<p>Removal Reason Enter one:</p> <p>W—Worn to Limits S—Scheduled U—Unscheduled C—Convenience N—Other (Note Below)</p>	<p>Installed Part Status</p> <p>N—New If Overhauled Part R—Repaired Enter Overhaul S—Serviceable Agents Name O—Overhauled Under Comments</p>
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Ref. No.	This Space For Other Maintenance Comments Including, Test or Calibration Dates, Removed Serial Numbers, Etc.												
1	COMPLIED WITH JT15D MINOR INSPECTION												
2	COMPLIED WITH PHASE 2 INSPECTION												
3	COMPLIED WITH PHASE 3 INSPECTION												
4	COMPLIED WITH PHASE 4 INSPECTION												
5	COMPLIED WITH PHASE 5 INSPECTION												
6	COMPLIED WITH PHASE B INSPECTION												
7	REPLACED IGNITOR WITH NEW.												
8	REPLACED IGNITOR WITH NEW.												

Repair Facility	Werth Flying Service Inc.	Certified Repair Station No.	Work Order No.
Work Performed By:	KRISTOFFER C. WERTH	Certificate No.	IA334708720AP
		Date	08-29-2003
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and the aircraft identified above is presently airworthy and approved for return to service.			
Work Inspected By:		Certificate No.	IA334708720AP
		Date	08-29-2003

Werth Flying Service Inc.

AIRCRAFT MAINTENANCE

923 E. Layton Ave.
 Milwaukee, WI 53207
 414-744-8330

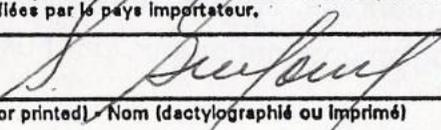
Maintenance Log	
Section	Page
Scheduled Removal Due (TAT)	

Permanent Aircraft Record-File In Maintenance Log



Transport
Canada

Transports
Canada

1. Country - Pays CANADA		2. AUTHORIZED RELEASE CERTIFICATE - AIRWORTHINESS APPROVAL TAG BON DE SORTIE AUTORISÉE - ÉTIQUETTE DE NAVIGABILITÉ				3. Certificate Ref. No. - N° de réf. du bon 94-02562	
4. Organization - Organisme ACCESSORIES BUSINESS, PRATT & WITHNEY CANADA INC. 2525 FERNAND LAFONTAINE, LONGUEUIL, QUEBEC, CANADA J4N 1N7				5. Work Order/Contract/Invoice-Bon de travail/contrat/facture 94007932			
6. Item 01	7. Description FUEL PUMP ASSY.	8. Part No. - N° de pièce 025493-402-04	9. Eligibility-Admissibilité VARIOUS	10. Qty-Qté ONE	11. Serial/Batch No. - N° de série/lot 580	12. Status/Work - État/travail OVERHAULED, TESTED	
13. Remarks - Remarques DETAILS OF WORK CARRIED OUT ARE LISTED UNDER DOCUMENT NUMBER LISTED IN BLOCK #5 REFER TO MAINTENANCE RELEASE TAG ATTACHED TO PART FOR PARTICULAR DATA. (CORRECTED COPY TO READ P/N 025493-402-04 IN LIEU OF 025493-402-05) (DOT AMO APPROVAL NO: 4-58)							
14. New Parts: Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and/or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country. Pièces neuves: Ceci certifie que la (les) pièce(s) identifiées ci-haut, sauf si autrement spécifié à la case 13, a (ont) été fabriquée(s) conformément aux règlements de navigabilité du pays indiqué et/ou, dans le cas de pièces pour exportation, selon les données de conception approuvées et selon les exigences spéciales notifiées par le pays importateur.			15. Used Parts: Certifies that the work specified above except as otherwise specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country in respect of that work, the parts is/are in condition for safe operation and considered ready for release to service. Pièces usagées: Ceci certifie que le travail spécifié ci-haut, sauf si autrement spécifié à la case 13, a été effectué conformément aux règlements de navigabilité du pays indiqué et selon les exigences spéciales notifiées du pays importateur ayant rapport à ce travail, que les pièces sont état pour une exploitation sûre et sont considérées prêtes pour la remise en service.				
16. Signature 			19. Issued by or on behalf of Transport Canada.- Délivré par ou pour le compte de Transports Canada.				
17. Name (typed or printed) - Nom (dactylographié ou imprimé) S. GREGORY		18. Date 15 MARS 95					

* Cross-check eligibility for more details with parts catalog - Pour plus de détails comparer l'admissibilité avec le catalogue de pièces détachées

**AUTHORIZED RELEASE CERTIFICATE
APPROVAL TAG
USER/INSTALLER RESPONSIBILITIES**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements 14 and 15 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

**BON DE SORTIE AUTORISÉE
ÉTIQUETTE D'AGRÉEMENT
RESPONSABILITÉS DE L'USAGER/MONTEUR**

Il est important de bien comprendre que de par son existence ce document ne constitue pas forcément l'autorisation d'installer la pièce/composant/ensemble.

Lorsque l'usager/monteur (euse) travaille conformément aux règlements nationaux d'une autorité de navigabilité, autre que l'autorité de navigabilité inscrite à la case 1, il est essentiel que l'usager/monteur (euse) s'assure que son autorité de navigabilité accepte les pièces/composants/ensembles de l'autorité de navigabilité inscrite à la case 1.

Les déclarations apparaissant aux cases 14 et 15 ne constituent pas une certification de montage. En tout temps le dossier de maintenance de l'aéronef doit contenir une certification de montage émise selon les règlements nationaux, par l'usager/monteur (euse), avant que l'aéronef puisse décoller.

P&WC AIRCRAFT SERVICES, INC.
INSPECTION RECORD
LIFE LIMITED PARTS SUMMARY
JT15D

DATE 9 FEBRUARY 1995	WORK ORDER NUMBER 47885-06	ENGINE SERIAL NUMBER PC-E 77347	CUSTOMER MITSUBISHI CANADA
REFERENCE: S/B <u>7002</u> REV. <u>31</u>		H.S.I. O/H REP X	SALES ORDER 4V1108
ENGINE TTSN <u>3,491.1</u> TCSN <u>3,023</u> TTSO <u>-0-</u> TCSO <u>-0-</u>			
STARTS <u>-----</u> FLIGHTS <u>-----</u> STARTS <u>-----</u> FLIGHTS <u>-----</u>			

PART NAME	P/N	S/N	TSN	CSN	REMAINING		MAX LIFE	
					TIME	CYCLE	TIME	CYCLE
COMP HUB 1	3018018	3H228	3491.1	6046	----	21454	----	27500
COMP HUB 2	N/A	-----	-----	-----	----	-----	----	-----
IMPELLER	3032145	4B182	3491.1	3023	----	5377	----	8400
HP TURBINE	3023411	2K007	3491.1	3023	----	10977	----	14000
LP TURB 1	3022212	9H171	3491.1	3023	----	10977	----	14000
LP TURB 2	3021213	8H754	3491.1	3023	----	10977	----	14000
HT BLADES	3028601	-----	-0-	-0-	3500	-----	3500	-----

REMARKS:

P&WC AIRCRAFT SERVICES, INC.
FAA APPROVED REPAIR STATION
CERTIFICATE NO. LMIR301K
APPROVED INSPECTOR

D.E. Davis

DATE COMPLETED: 9 FEBRUARY 1995 APPROVED INSPECTOR: D.E. DAVIS

P&WC AIRCRAFT SERVICES, INC.

LOG OF MAJOR ENGINE PARTS REPLACED

WORK ORDER NUMBER ENGINE MODEL SERIAL NUMBER
47885-06 JT15D-1A PC-E 77347

QTY	PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION
EXCHANGE PARTS					
1	3018961	STATOR	1	3104389-01	BOLT
6	3019801 CL	BLADE	1	3105377-01	GEAR
1	3041661	STATOR	1	3105378-01	GEAR
12	3100713-01	NOZZLES	1	3106243-02	GEAR
			1	3107371-02	CABLE
			1	3110462-01	RING
NEW PARTS					
4	3013078	SHEATH	1	3112093-01	GEAR
1	3017982	TUBE	2	3112999-01	BEARING
4	3018015 CL	COUNTERWEIGHT	1	3117494-01	SEAL
1	3019360	PIN	1	3118294-01	SHAFT
1	3020703	BLADE	1	3118582-01	BAFFLE
4	3022202	BLADE	4	3119425-01	BEARING
1	3027294	ELEMENT			
71	3028601	BLADE			
1	3028789	STRAINER			
1	3029070	SEAL			
1	3029071	SEAL			
6	3030491	LUG			
15	3030835 CL	SEGMENT			
1	3031586	SEAL			
1	3036110	SEAL			
4	3040676 CL	SPACER			
2	3100596-01	SEAL			

THE ABOVE LIST OF MAJOR ENGINE PARTS REPLACED DURING THIS SHOP VISIT IS ONLY A SUMMARY AND IS LISTED AS AN AID TO IDENTIFICATION OF PARTS REPLACED. FOR A COMPLETE LIST OF PARTS REPLACED AND ACTUAL PART NUMBERS INSTALLED, PLEASE REFER TO THE P&W INVOICE.

DATE 9 FEBRUARY 1995 APPROVED INSPECTOR D.E. DAVIS

P&WC AIRCRAFT SERVICES, INC.
 FAA APPROVED REPAIR STATION
 CERTIFICATE NO. LMIR301K
 APPROVED INSPECTOR

D.E. Davis 

JT15D-1A Final Acceptance Test Record

Engine S/N.	77347	Work Order	47885-06
Model	JT15D-1A	Test Cell	PWV-5
Date.	2/9/95	Work Type	O/H

PERFORMANCE DATA

Reference T.O. Thrust - 2200 lbs

<u>PARAMETER</u>	<u>SPEC. MIN.</u>	<u>SPEC. MAX.</u>	<u>ACTUAL</u>	
N1/RTH0	14960	15660	15250	rpm
N2/RTH0	30400	30900	30850	rpm
T5/TH0	0	1720.0	1717	R
DELPSD	4.6	5.1	5.12	psid
SFC @ 2200LBS	0	0.547	0.541	

Nozzle Class :	AA		REF T5	676.74	DEG C
Fan Gap :	.023	in	DEL T5	126	DEG F
Accel Time :	4.19	Sec	2ND Stage Vane	38.70	SQ.IN

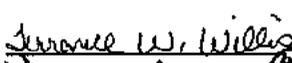
DATA PLATE INFORMATION

Reference T.O. Thrust - 2200 lbs

N1 REF.	95.31	%	N2 Ref.	94.10	%
T5 Trim	19.2Ω	Ohms	Fuel Type	CPW 204	
Oil Type	PWA 521-2		Oil Consumption	.048	LB/HR

High Rotor Trim Balance - F E21, F E28, R E21, R E28
 Low Rotor Trim Balance - A23

Production Signature: _____
 Inspection Signature: _____






The undersigned certifies that this record accurately sets forth the events during the test made on the engine herein identified:

Approved Inspector A. Davis  Date 9 FEB. 1995



U.S. Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make	Model
	Serial No.	Nationality and Registration Mark
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	----- (As described in Item 1 above) -----				
POWERPLANT	PRATT & WHITNEY	JT15D-1A	PC-E 77347	X	
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address P&WC AIRCRAFT SERVICES, INC. ROUTE 3, BOX 16 BRIDGEPORT, WV 26330	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. LM1R301K LIMITED POWERPLANT
--	---	---

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9 FEBRUARY 1995	Signature of Authorized Individual <i>D.E. Davis</i> D.E. DAVIS
--------------------------------	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	<input type="checkbox"/> FAA Field Standards Inspector <input checked="" type="checkbox"/> FAA Designee	Manufacturer <input checked="" type="checkbox"/> Repair Station	Inspection Authorization Person Approved by Transport Canada Airworthiness Group	Other (Specify)
----	--	--	---	-----------------

Date of Approval or Rejection 9 FEBRUARY 1995	Certificate or Designation No. LM1R301K LIMITED POWERPLANT	Signature of Authorized Individual <i>D.E. Davis</i> D.E. DAVIS
---	--	--

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

DATE: .9 FEBRUARY 1995
WORK ORDER NUMBER: 47885-06
ENGINE SERIAL NUMBER: PC-E 77347
ENGINE TOTAL TIME SINCE NEW: 3,491.1

THE ENGINE, TURBOFAN IDENTIFIED HEREON WAS OVERHAULED AND INSPECTED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS AND CURRENT FEDERAL AVIATION ADMINISTRATION REGULATIONS.

COPIES OF THE ENGINE ACCEPTANCE LOG, NEW PARTS INCORPORATED, LIFE LIMITED PARTS SUMMARY AND MODIFICATION LOG ARE ATTACHED TO THE ENGINE LOG BOOK.

THE ENGINE WAS TEST RUN IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS AND CERTIFIED TO BE AIRWORTHY.

PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER STATED ABOVE.

P&WC AIRCRAFT SERVICES, INC.
ROUTE 3, BOX 16
BRIDGEPORT, WV 26330
REPAIR STATION CERTIFICATE NUMBER LM1R301K

Additional Sheets Are Attached

1. UNITED STATES		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG US Department of Transportation Federal Aviation Administration			3. SYSTEM TRACKING REF. NO. 19950209DED01		
4. ORGANIZATION: P&WC AIRCRAFT SERVICES, INC. RR 3, BOX 16 BENEDUM INDUSTRIAL PARK BRIDGEPORT, WV 26330 CERTIFICATE NO: LM1R301K					5. W/O, CONTRACT OR INVOICE 47885-06		
6. ITEM	7. DESCRIPTION	8. PART NO.	9. ELIGIBILITY*	10. QTY.	11. SERIAL/BATCH NUMBER	12. STATUS/WORK	
1	ENGINE TURBOFAN	3018700	JT15D-1A	01	PC-E 77347	NEWLY OVERHAULED	
13. REMARKS: TTSN: 3,491.1 TCSN: 3,023 TTSO: -0- TCSO: -0- THE ENG. TURBOFAN HEREON WAS OVERHAULED/ REPAIRED AND INSPECTED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS. PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS REPAIR STATION UNDER ABOVE WORK ORDER.							
Limited life parts must normally be accompanied by maintenance history including total time/total cycles/time since new							
14. New <input type="checkbox"/> Newly Overhauled <input type="checkbox"/> Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness regulation. <u>NOTE:</u> In case of parts to be exported, the special requirements of the importing country have been met.			19. Return to service in accordance with FAR 43.9 Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.				
15. Signature		16. FAA Authorization No:		20. Authorized Signature: <i>D. E. Davis</i> 		21. Certificate Number: LM1R301K	
17. Name (type or print):		18. Date:		22. Name (type or print): D.E. DAVIS		23. Date: 9 FEBRUARY 1995	

*Optional installer must cross check eligibility with applicable technical data.

USER/INSTALLER RESPONSIBILITIES

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.

SUMMARY AND CONDITION REPORT FOR OVERHAUL / REPAIR OF

ITEM: **ENGINE COMPLETE**

MODEL: **JT15D-1A**

SERIAL NO.: **77347**

CUSTOMER: **0/14
MITSUBISHI CANADA LIMITED**

ISSUED BY: *Barry J. Lawther*

DATE: **15 February 1995**

REPORT NO.: **SC-077347E-94-01**

APPROVED BY: *J. J. [Signature]*

P&WC AIRCRAFT SERVICES, INC.
SUMMARY AND CONDITION REPORT

CUSTOMER: MITSUBISHI CANADA LIMITED

ITEM: Engine Complete

MODEL: JT15D-1A

SERIAL NO: 77347

WORK ORDER NO: 47885-06

SALES ORDER: 4V1108

RUNNING TIME: Engine

TSN 3491.3

773491.15
773491.15

1/ Reason for Return:

Overhaul, time expired.

2/ Condition/Rectification:

The engine was disassembled and inspected as required by the reason for removal and in accordance with P&WC Aircraft Services, Inc. policies, manufacturer's specifications and customer specifications. The following is a summary of the conditions observed during and after teardown. Part numbers are listed for easy cross-reference with the Illustrated Parts Catalog when major parts were repaired, replaced, or exchanged. Exchanges occur when extensive reworks are required which would delay the build of your engine. Please note that this report does not detail minor items reworked or replaced because of wear, implementation of certain Service Bulletins, installation of overhaul kits, refurbishment of protective surface treatments or components found serviceable "as is" at Detail Inspection.

3/ Modifications Embodied This Visit:

SB 7002, 7165, 7172, 7181, 7183, 7192, 7197, 7199, 7203, 7206, 7215, 7229, 7259, 7288, 7292, 7306, 7307, 7309, 7310, 7317, 7318, 7321, 7322, 7328, 7329, 7337, 7347, 7376, 7384, 7392, 7399, 7408, 7432, 7438

3447

AD(CF-78-04) AD(CF-80-26 R1) AD(CF-87-05 R1) AD(CF-90-12) AD(CF-91-28)
AD(CF-91-37 R1) PARTS A & C AND AD(93-18-08)

4/ Conclusion:

The engine was overhauled, assembled, tested, and certified for a further period of service in accordance with our Quality Assurance and Federal Aviation Administration requirements.

BEARINGS

Comments:

All bearings found serviceable.

One bearings required replacement to incorporate Service Bulletins.

LOW COMPRESSOR INTERMEDIATE

70	Low Compressor Assy. P/N 3020187	Reworked	Restored protective coating.
100	Compressor Stator Assy. Inner P/N 3018960	Reworked	Blend minor impact damage.
20	Low Compressor Case P/N 3018965	Reworked	Restored protective coating.
130	Outer Compressor Stator P/N 3018961	Reworked	Restored protective coating. Routed to vendor for 100% vane replacement.
80	Support Compressor Stator P/N 3018532	Reworked	Restored protective coating
1	Intermediate Case Assy. P/N 3018524	Reworked	Restored protective coating.
70	Inner Cone Assy. P/N 3026568	Reworked	Restored protective coating.
91	Inlet Cone Shaft P/N 3028432	Reworked	Restored protective coating.
140	Low Compressor Blades P/N 3019801 Qty. 23	Reworked	Blended minor impact damage on leading edges.
270	Low Compressor Shaft P/N 3028791	Reworked	Restored protective coating.
290	Gearshaft Assy. P/N 3020954	Unserviceable	Gear teeth damaged.
70	No. 1. Brg. Hsg. P/N 3031403	Reworked	Restored protective coating.

Comments:

Other components required rework or replacement to incorporate Service Bulletins.

Remaining components found serviceable.

GAS GENERATOR SECTION

40	Impeller Hsg. P/N 3020366	Reworked	Restored protective coating.
60	Gas Gen. Case P/N 3029066	Reworked	Blended apex entries. Restored protective coating. Pressure checked oil lines. Regapped diffuser pipes.
100	Bevel Gear, G/B Drive P/N 3020690	Unserviceable	Spalling on gear teeth.
230	High Turbine Shaft P/N 3031584	Unserviceable	Excessive corrosion pitting on splines.
250	High Compressor Shaft P/N 3031585	Reworked	Restored protective coating.
350	No. 3 $\frac{1}{2}$ Brg. Rear Air Seal P/N 3029070	Unserviceable	Rubbed oversize.
410	No. 3 Brg. Rear Air Seal P/N 3029071	Unserviceable	Rubbed over acceptable limit.
440	No. 3 Brg. Front Air Seal P/N 3019674	Unserviceable	Rubbed beyond acceptable limit.
10	LT Stator Support P/N 3023708	Reworked	Weld repair cracks.
30	Combustion Chamber Liner P/N 3030317	Reworked	Replaced one worn fuel nozzle boss.
40	HT Stator Support Shroud P/N 3031058	Reworked	Repaired wear in sealing ring groove.
50	HT Shroud Segments P/N 3030835 (Qty. 15)	Unserviceable	Burned and eroded.
140	HT Stator P/N 3024961	Exchanged	Weld repair cracks. Restored sealing faces.
150	Small Exit Duct P/N 3031463	Reworked	Restore sealing faces. Regapped heatshield.
170	Sealing Ring P/N 3030845	Reworked	Repaired worn slots. Repaired seal face.
200	Large Exit Duct P/N 3100294-01	Reworked	Replaced worn locking table.
60	High Turbine Blades P/N 3028601	Unserviceable	(Qty. 71) Insufficient time remaining.

Comments:

Other components required rework or replacement to incorporate Service Bulletins.

Remaining components found serviceable.

ACCESSORY GEARBOX

110	Seal, Face Type P/N 3012579	Unserviceable	Seal face chipped.
210	Main Shaft Assy. P/N 3019634	Reworked	Lapped carbon seal mating face.
160	Oil Pressure Pump Element P/N 3027294	Unserviceable	Worn beyond serviceable limit.
1	AGB Hsg. P/N 3023481	Reworked	Restored protective coating.
1	AGB Cover P/N 3017246	Reworked	Replaced worn plain bearings. Restored protective coating.

Comments:

Other components required rework or replacement to incorporate Service Bulletins.

Remaining components found serviceable.

LOW TURBINE AND EXHAUST

121	Low Turbine Shaft P/N 3024931	Reworked	Restored protective coating.
220	Intershaft Tube Assy. P/N 3028778	Reworked	Cold worked to restore run-out. Replaced damaged oil nozzle.
50	3rd Stg. LT Blades P/N 3020703 Qty. 1	Unserviceable	Damaged beyond serviceable limit.
1	3rd Stg. PT Stator P/N 3021663	Reworked	Replaced worn air seals. Lapped sealing face.
50	2nd Stg. LT Blades P/N 3022202 Qty. 4	Unserviceable	Heavy impact damage (Qty 3). Shroud tip bent (Qty. 1).
80	Interstage Air Seal P/N 3022116	Reworked	Repaired worn sealing diameter.
1E	2nd Stg LP Turbine Stator P/N 3034062	Reworked	Plasma repaired sealing face. Replaced worn air seals.
100	Exhaust Duct P/N 3028966	Reworked	Repaired wear on diameter "C".
295	No. 4 Brg. Carbon Seal P/N 3028782	Unserviceable	Sealing face chipped.

Comments:

Other components required rework or replacement to incorporate Service Bulletins.

Remaining components found serviceable.

BY-PASS DUCTS & ENGINE MOUNTS

10	Front By-pass Duct Assy. P/N 3020330	Reworked	Restored protective coating. Weld repaired cracks.
10	Rear By-pass Duct Assy. P/N 3021436	Reworked	Restored protective coating.
12	By-pass Duct Assy. P/N 3029698	Reworked	Restored protective coating.
100	Engine Rear Mount Assy. P/N 3021047	Reworked	Restored protective coating.
170	Rear Mount Bracket P/N 3021996	Reworked	Replaced worn bearings.

Comments:

Other components required rework or replacement to incorporate Service Bulletins.

Remaining components found serviceable.

EXTERNALS AND ACCESSORIES

The externals and accessories unless otherwise noted, were overhauled, modified (where applicable) and tested. Some items may have been exchanged to expedite build.

Oil Filer Element
P/N 3036376

(Qty. 1) Unserviceable
Failed bubble test.

Ignition Cable
P/N 3107371-02

(Qty. 1) Unserviceable
Damaged beyond repairable limit.

BLL/glc

P&WC AIRCRAFT SERVICES, INC.

MODIFICATION LOG

WORK ORDER NUMBER	ENGINE MODEL	SERIAL NUMBER
<u>47885-06</u>	<u>JT15D-1A</u>	<u>PC-E 77347</u>

=====

THE FOLLOWING SERVICE BULLETINS WERE FOUND PREVIOUSLY EMBODIED:

7029, 7040, 7055, 7061, 7069, 7075, 7089, 7093, 7099, 7100, 7101, 7106,
7110, 7111, 7112, 7114, 7115, 7117, 7120, 7121, 7123, 7124, 7125, 7128,
7129, 7130, 7132, 7134, 7136, 7137, 7138, 7139, 7143, 7146, 7149, 7207,
7220, 7226, 7233, 7238, 7244, 7252, 7253 AND 7257.

THE FOLLOWING SERVICE BULLETINS WERE EMBODIED THIS VISIT:

7002, 7165, 7172, 7181, 7183, 7192, 7197, 7199, 7203, 7206, 7215, 7229,
7259, 7288, 7292, 7306, 7307, 7309, 7310, 7317, 7318, 7321, 7322, 7328,
7329, 7337, 7347, 7376, 7384, 7392, 7399, 7408, 7432 AND 7438.

THE FOLLOWING AIRWORTHINESS DIRECTIVES WERE CHECKED FOR PREVIOUS
COMPLIANCE OR COMPLIED WITH THIS VISIT:

AD (CF 78-04), AD (CF 80-26 R1), AD (CF 87-05 R1), AD (CF 90-12),
AD (CF 91-28), AD (CF 91-37 R1) PARTS A & C AND AD (93-18-08).

=====

I HEREBY CERTIFY THAT THE ABOVE MODIFICATIONS HAVE BEEN INCORPORATED IN
THIS ENGINE AS PER THE MANUFACTURER'S RECOMMENDATIONS.

DATE 9 FEBRUARY 1995 APPROVED INSPECTOR D.E. DAVIS

FORM 3018 (REV 7-88)

P&WC AIRCRAFT SERVICES, INC.
FAA APPROVED REPAIR STATION
CERTIFICATE NO. LMIR301K
APPROVED INSPECTOR

D.E. Davis 

SPECIAL INSPECTIONS (S/I) AND MODIFICATIONS (MODS)

WORK OR INSPECTION PERFORMED

SIGNATURE
P&WC AIRCRAFT SERVICES, INC.
FAA APPROVED REPAIR STATION
CERTIFICATE NO. LM19301K
APPROVED INSPECTOR

LICENCE
NUMBER

refer to Modification Log dated 9 Feb. 95 attached.

D.E. Davis 

2~~1~~ this Engine installed for C-500 (500-415)

M. Takahashi

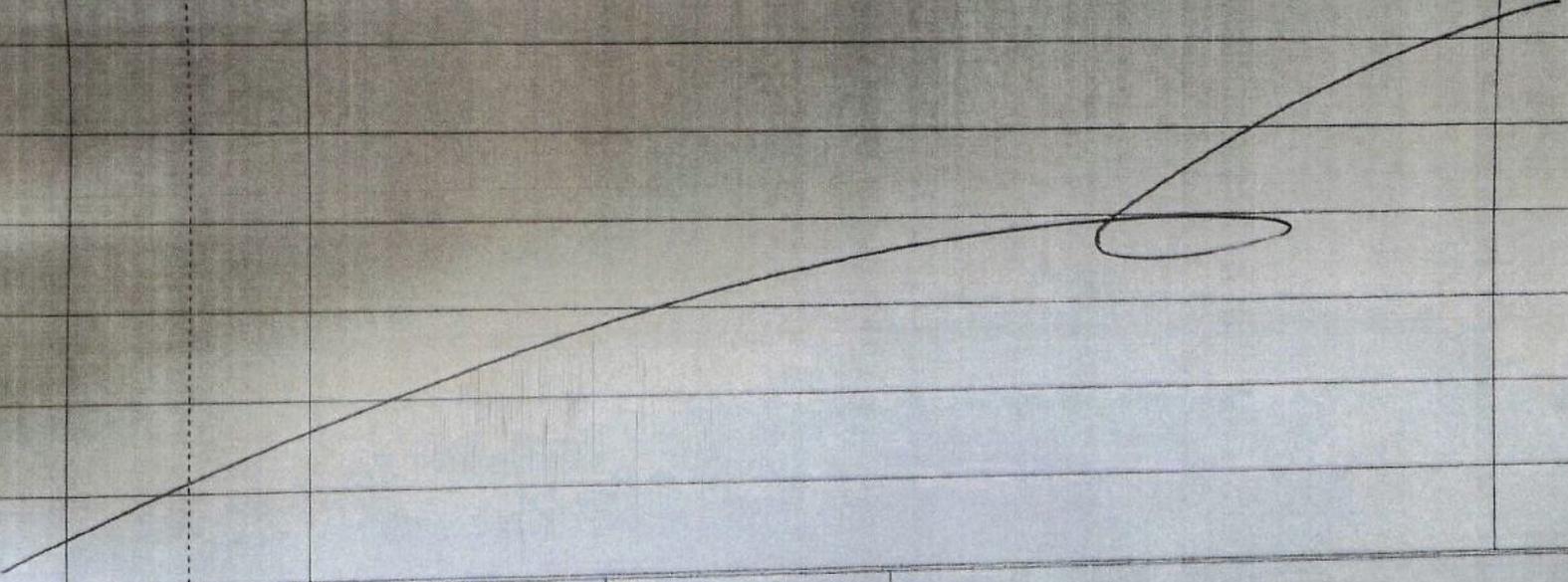
JCAB CLASS II
No. 2787

(S/N PCE 77347)

発動機使用記録

(4-

270)

94年 月 日	時 時	間 分	修理改造又は整備実施記録		署名
1. 12	2	40			
"	1	55			
O/H のため JA8474 LH 5) 取外					
					
本頁計	4	35	製造後総時間	分解手入後総時間	備考
	前頁総合計時間	3486	40		
	本頁総合計時間	3491	15		

(S/N PCE 77347)

発動機使用記録

(4 - 1)

57年 月 日	時 時	間 分	修理改造又は整備実施記録		署 名
3 . 8	64	00	仙台到着まで (CESCOM FLT LOG T.T : 64.0 Hr)		
4 . 6	4	45			
7	1	30			
12	2	05			
13	2	10			
14	1	00			
16	1	35			
17	2	10			
22	2	15			
27	2	50			
本頁計	20	20	製造後総時間	分解手入後総時間	備 考
	前頁総合計時間		64	00	
	本頁総合計時間		84	20	

地上備付用

航空日誌

ENGINE

NO.1

PGE 77347