

# N178DA

## 1984 Citation SII

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# LH Engine

# Logbook

## SN: 102064

**MSN: S550-0004**



**RidgeAire**  
WORLDWIDE  
aviation specialists

*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*



# DallasAirmotive

A StandardAero Company

21625 N. Central Avenue, Ste. 104 Phoenix, AZ 85024

CERTIFICATE NO. YRR4491L

MANUFACTURER  
PRATT & WHITNEY

UNIT NAME  
ENGINE

TYPE/MODEL  
JT15D-4B

SERIAL NUMBER  
PCE-102064

TSN  
7,930.80

TSO  
UNK

CSN  
7,918

CSO  
UNK

Overhaul

Repair

Inspection

Complied with customer requested engine borescope inspection. Customer opened engine, and will close engine after inspection. Findings reported to customer. All work accomplished with reference to Pratt & Whitney manual P/N 3017542 Rev.# 53.0 dated 25-Apr-2022, and other data and methods acceptable to the administrator. -----END-----

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certified Repair Station, under Sales Order # : RPR63097

Date: 8-Dec-2023

Signature: \_\_\_\_\_

Gary J Jost



## Engine Evaluation/Condition Report

CUSTOMER:	<b>Northstar Aviation</b>	WORK ORDER NO:	<b>RPR63097</b>
ENGINE MFG:	<b>Pratt &amp; Whitney</b>	ENGINE MODEL:	<b>JT15D-4B</b>
AIRCRAFT REG. NO:	<b>N178DA</b>	AIRCRAFT S/N:	<b>550-0004</b>
AIRCRAFT TT:	<b>8014.8</b>	AIRCRAFT TC:	<b>8191</b>
REASON FOR INSPECTION:		<b>Customer requested Engine Borescope</b>	
CUSTOMER NAME/PHONE NUMBER:		<b>Dante Marinelli    928-764-1999</b>	
ENGINE SERIAL #:	<b>PCE-102064</b>	ENGINE POSITION:	<b>LEFT</b>
TSN:	<b>7930.8</b>	CSN:	<b>7918</b>
TSO	<b>UNK</b>	CSO	<b>UNK</b>
ISSUED BY:	<b>Gary J Jost</b>		
DATE:	<b>11-December-2023</b>		

# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

Engine Time:

7930.8

Engine Cycle:

7918

• A/C Registration

Engine Data Plate



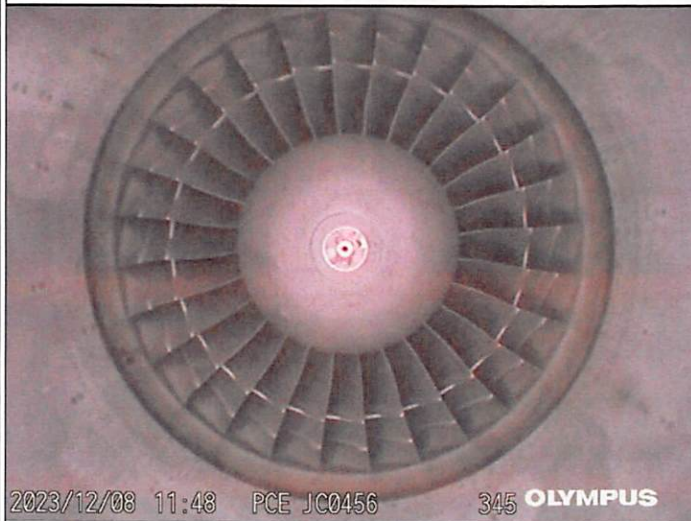
2023/12/08 11:32 PCE JC0456 340 OLYMPUS



2023/12/08 11:33 PCE JC0456 342 OLYMPUS

• LC Rotor (Inlet Fan)

T1 Inlet Sensor



2023/12/08 11:48 PCE JC0456 345 OLYMPUS



2023/12/08 11:50 PCE JC0456 352 OLYMPUS

# Engine Evaluation Report

DATE: \_\_\_\_\_



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

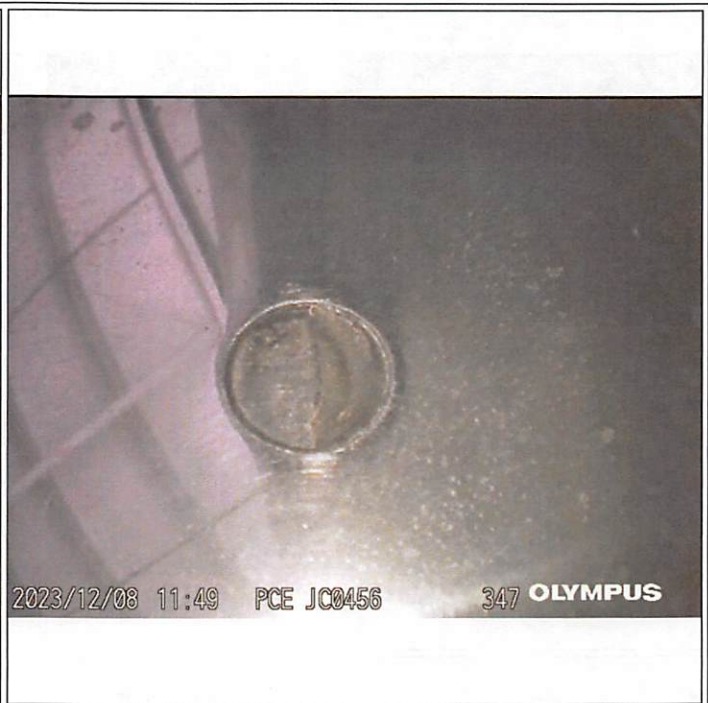
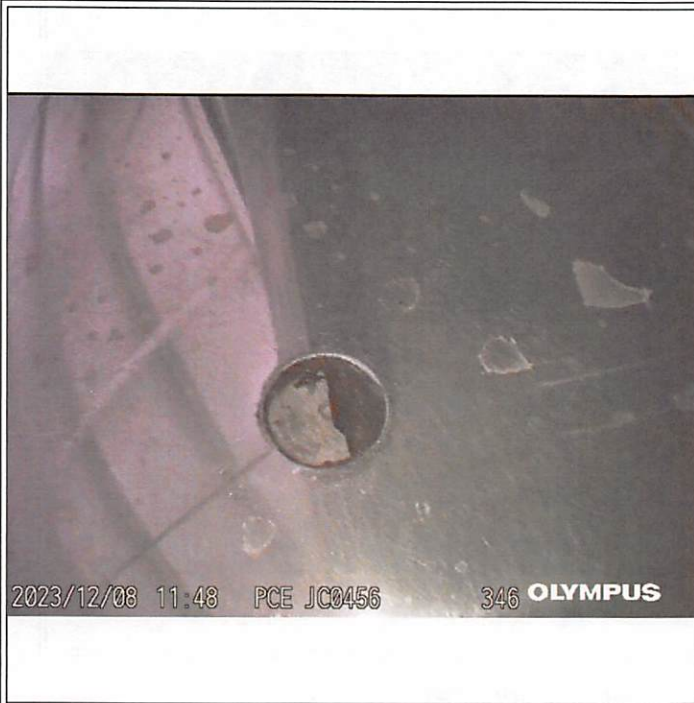
Engine Time:

7930.8

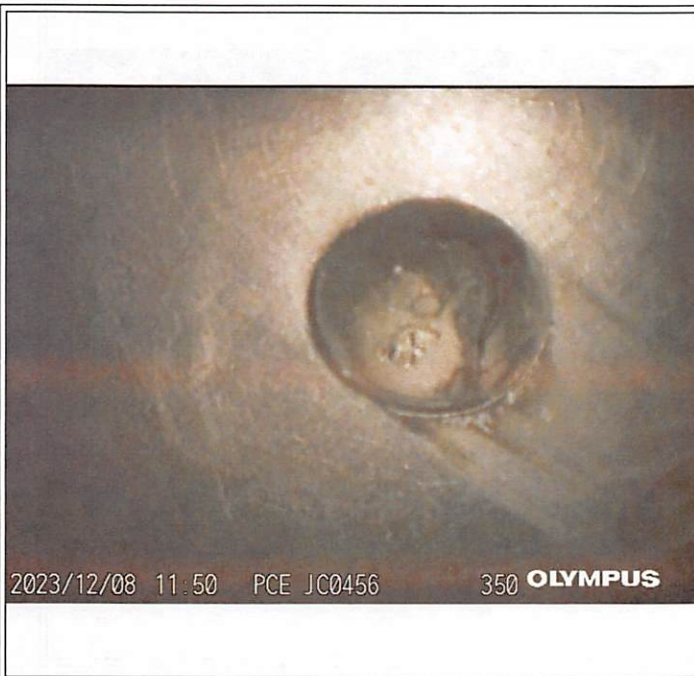
Engine Cycle:

7918

- Inlet Case – several rivets noted with missing/broken head(s)



- Inlet Case – several rivets noted with missing/broken head(s)



INTENTIONALLY  
LEFT  
BLANK

# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

Engine Time:

7930.8

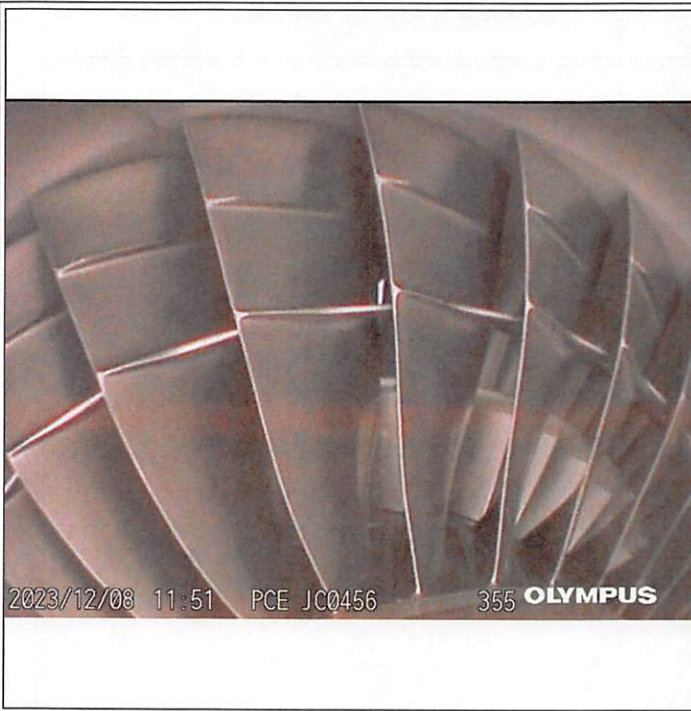
Engine Cycle:

7918

- Inlet Case – numerous rivets exhibiting signs of working



- Low Compressor (Fan) – typical, 1 blade exhibiting previous repair



# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

Engine Time:

7930.8

Engine Cycle:

7918

• Intermediate Case – no anomalies noted



• Impeller – main blade & mid-span - no anomalies noted



# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

Engine Time:

7930.8

Engine Cycle:

7918

• Impeller – no signs of rub noted



• T1 Thrmcpl Harness – aft sensor – no anomalies noted

LT Rotor 3<sup>rd</sup> Stage Blades – no anomalies noted





# Engine Evaluation Report

DATE: 12/15/23 09:53



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

Engine Time:

7930.8

Engine Cycle:

7918

• LT Rotor 3<sup>rd</sup> Stage Blades – no anomalies noted

#4 Bearing Housing Assy. – minor leak noted



• #4 Bearing Housing Assy. – minor leak noted

#4 Bearing Housing Oil Tubes – no anomalies noted



# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

Engine Time:

7930.8

Engine Cycle:

7918

- T6 Thermocouple – typical, no anomalies noted

HT Blades – T/E no anomalies noted



- HT Blades – T/E & L/E no anomalies noted, witness step indicates some blade length/life remaining



# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

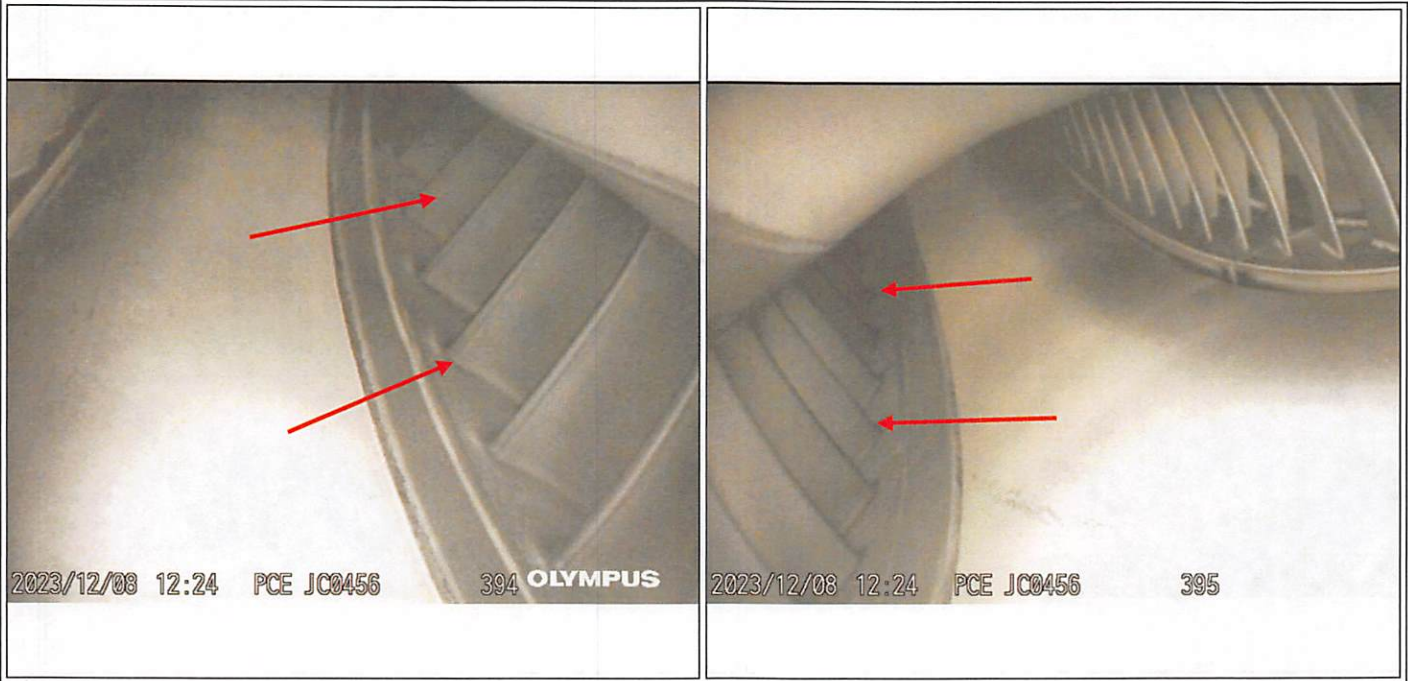
Engine Time:

7930.8

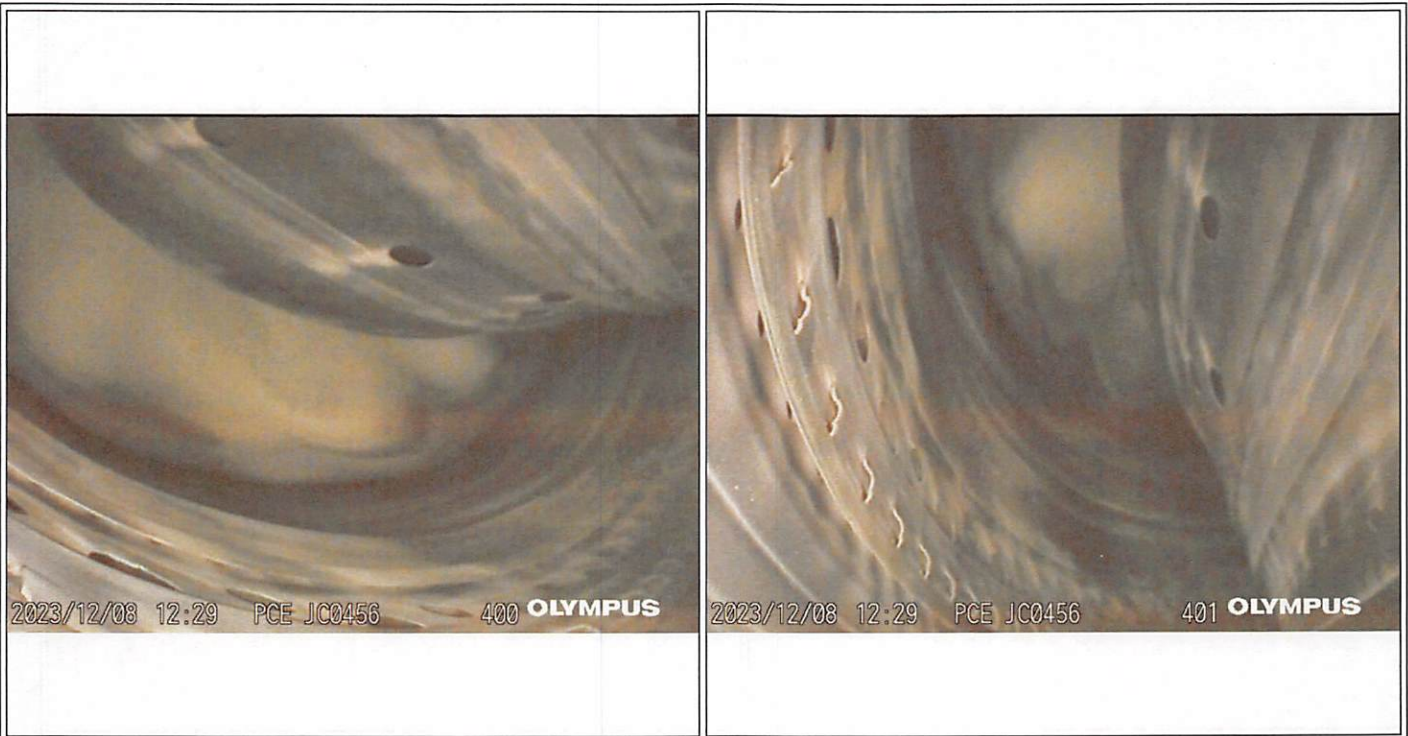
Engine Cycle:

7918

• LT Stator – L/E of vanes, no anomalies noted



• Combustion Liner – Inner/Outer Walls, Large Exit Duct (LED) -- no anomalies noted



# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

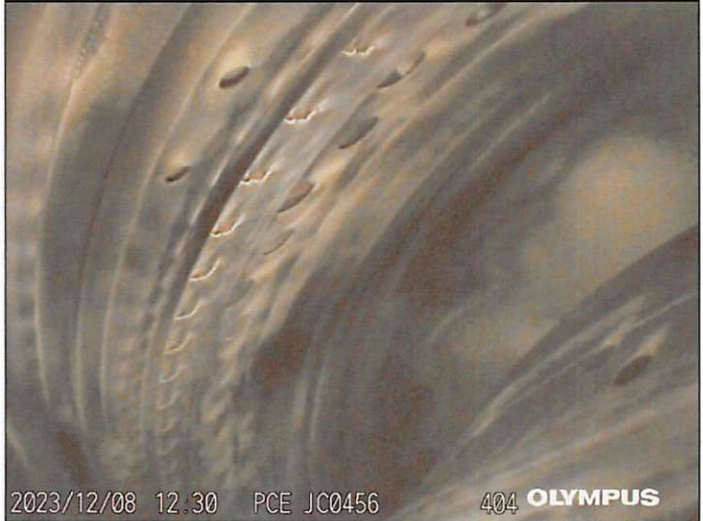
Engine Time:

7930.8

Engine Cycle:

7918

- Combustion Liner – Inner/Outer Walls, Large Exit Duct (LED) -- no anomalies noted



- Fuel Nozzle Tip & Sheath – no anomalies noted



# Engine Evaluation Report

DATE:



Engine Model:

JT15D-4B

Serial Number:

PCE-102064

Engine Time:

7930.8

Engine Cycle:

7918

- Combustion Liner Support Pin & Fuel Adapter – no anomalies noted      Deflector Ring, Segment, & Rivets – no anomalies noted



- Deflector Ring, Segment, & Rivets – no anomalies noted



# Maintenance Transaction Record

CAMP MTR ID # 3731425



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

Airframe Entries

Eng.#1 Serial No. PCE-102064

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	Freon Hrs
S550-0004	0004	N178DA	30-Jun-2022	KHII	7874	8085	7790	7790	7812	7812	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
057110	1	2	NO. 1 ENGINE - MINOR INSPECTION									
Comments: Complied with 24 Month/300 HR L/H Engine Minor inspection IAW JT15D-4B EMM, Chapter 72-00-00.												
741030	2	2	NO. 1 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	9049770-3		97504269					
Comments: Complied with 24 Month/300 HR L/H Engine Lower Ignition Exciter visual inspection IAW JT15D-4B EMM, Chapter 72-00-00.												
741030	3	2	NO. 1 ENGINE - VISUAL INSPECT UPPER IGNITION EXCITER	UPPER	9049770-3		97504266					
Comments: Complied with 24 Month/300 HR L/H Engine Upper Ignition Exciter visual inspection IAW JT15D-4B EMM, Chapter 72-00-00.												
770010	4	2	NO. 1 ENGINE - INSPECT T1 PROBE THERMOCOUPLE HARNESS FOR DAMAGE OR PROBES TOUCHING EACH OTHER									
Comments: Complied with 24 Month/300 HR L/H Engine T1 Probe Thermocouple Harness For Damage or Probes Touching inspection IAW JT15D-4B EMM, Chapter 72-00-00.												

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** NORTHSTAR AVIATION SERVICES **Certified Repair Station Number** \_\_\_\_\_ **Work Order No.** HII-22-3478  
**Work Performed By** JUSTIN SHIELDS **Certificate No.** AP 4063434 **Date** 30-Jun-2022  
 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** JUSTIN SHIELDS **Certificate No.** AP 4063434 **Date** 30-Jun-2022  
 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 # 3088637



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

Airframe Entries     
  Eng.#1 Serial No. 102064     
  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
S550-0004	0004	N178DA	21-Apr-2020	KSUS	7662.2	7887	7578.2	7578.2	7614	7614			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
057110	1	2	NO. 1 ENGINE - MINOR INSPECTION									
Comments: Complied with the Engine Minor Inspection per JT15D-4B MM Chapter 72-00-00, Table 601.												
741030	2	2	NO. 1 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	9049770-3		97504269					
Comments: Complied with the igniter inspection per JT15D-4B MM Chapter 74-20-02.												
741030	3	2	NO. 1 ENGINE - VISUAL INSPECT UPPER IGNITION EXCITER	UPPER	9049770-3		97504266					
Comments: Complied with the igniter inspection per JT15D-4B MM Chapter 74-20-02.												
3088637004	4	2	OIL FILTER									
Comments: Removed, inspected, and cleaned the oil filter. Reinstalled filter with a new seal.												
3088637005	5	2	FUEL PUMP		398601-2		0342	N	T			
Comments: Removed the fuel pump (P/N: 398601-2, S/N: 0342) and sent to AVMATS Engine Support, CRS# OTUR438L, for testing (reference FAA Form 8130-3 dated 15/Apr/2020). Reinstalled and tested the fuel pump. No leaks or defects noted.												

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

<b>Repair Facility</b>	<u>AVMATS JET SUPPORT</u>	<b>Certified Repair Station Number</b>	<u>UVVR932L</u>	<b>Work Order No.</b>	<u>40158</u>
<b>Work Performed By</b>	<u>AVMATS JET SUPPORT</u>	<b>Certificate No.</b>	<u>UVVR932L</u>	<b>Date</b>	<u>21-Apr-2020</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 WITH RESPECT TO THE WORK PERFORMED THIS AIRCRAFT / ENGINE IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION.					
<b>Work Inspected By</b>		<b>Certificate No.</b>	<u>UVVR932L</u>	<b>Date</b>	<u>21-Apr-2020</u>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
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**CESCOM**CAMP Systems International  
8201 E. 34th St. N., Bldg 1100, Suite 1101 • Wichita, KS 67226  
Phone: 316-462-2267 • Fax: 800-787-9749**CESCOM**  
Maintenance Transaction Report CSNA-1023-ACessna  
A Textron Company Airframe  
Entries Eng. #1  
Serial No. **PCE-102064** Eng. #2  
Serial No. \_\_\_\_\_ APU  
Serial No. \_\_\_\_\_ Freon  
Serial No. \_\_\_\_\_

## Aircraft Identification and Status

A/C Serial Number	A/C Unit No.	A/C Registration No.	Date (Mo.-Day-Yr.)	City Identifier	Total A/C Hours	Total A/C Landings	Total Engine Hours	Total Engine Cycles	APU Hours	APU Events	Freon Hours
550-0004	0004	N178DA	1/16/20	KSVS	—	—	No. 1 —	No. 2 —	—	—	—

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

Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod Level	Installed Serial Number	Removal Reason	Installed Part Status	(TBO Enter # Change Desired)	TBO Installed Part	Material Costs	Man Hours
1											



F.A.A. CRS OTUR438L  
836 Texas Court, O'Fallon, MO 63366  
636-978-5300 [www.avmats.com](http://www.avmats.com)

**Pratt & Whitney Canada Engine JT15D-4B S/N: PCE-102064**  
**A/C Serial Number: 550-0004 Reg: N178DA**

Performed troubleshooting for ITT split between left hand and right hand engines. Performed function check on temperature indicating system on engine. Installed bleed air blank off plates and performed ground run. Removed bleed air blank off plates and performed ground run. ITT was within acceptable limits. No discrepancies noted at this time. All work performed in accordance with Pratt & Whitney Canada JT15D-1/1A/1B/4/4B/4D Maintenance Manual P/N 3017542, Revision 48 dated October 21, 2019.

The aircraft engine or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under work order No. 22559 Date 1/16/20

*Justin Myszczewski*  
(Signature of Authorized Representative)

AVMATS Engine Support (Repair Station name) CRS OTUR 438L (Certificate No.)  
836 Texas Court  
Lone Star Industrial Park  
O'Fallon, MO 63366

## ed Part Status

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

Ref  
No.

1

2

3

4

5

6

7

8

Repair Facility

Certificated Repair  
Station NumberWork  
Order No.

Work Performed By

Certificate No.

Date

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

Certificate No.

Date

Signature

**CESCOM**CAMP Systems International  
8201 E. 34th St. N., Bldg 1100 Suite 1101 • Wichita, KS 67226  
Phone: 316-462-2267 • Fax: 800-787-9749

## Maintenance Log

Section Page

Scheduled Removal Due (TAT)

Permanent Aircraft Record-File In Maintenance Log



## Maintenance Transaction Record

CAMP MTR ID # 2836326



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

Airframe Entries     
  Eng.#1 Serial No. PC-E 102064     
  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
S550-0004	0004	N178DA	22-Feb-2018	KSUS	7526.3	7820	7423.4	7423.4	7547	7547			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: Complied with the engine minor inspection items in reference to current P&WC JT15D-4B MM, P/N 3017542, Chapter 72-00-00, Table 601.												
741030	2	2	NO. 1 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	9049770-3		97504269					
Comments: Complied with the ignition exciter inspection/test in reference to P&WC JT15D-4B MM, P/N 3017542, Chapter 74-10-01. No defects noted.												
741030	3	2	NO. 1 ENGINE - VISUAL INSPECT UPPER IGNITION EXCITER	UPPER	9049770-3		97504266					
Comments: Complied with the ignition exciter inspection/test in reference to P&WC JT15D-4B MM, P/N 3017542, Chapter 74-10-01. No defects noted.												
2836326004	4	1	SPARK IGNITERS		FHE246-4			WO	N	0 MTH 0 HRS		
Comments: Removed and replaced both igniters with new (p/n FHE246-4) in reference to P&WC JT15D-4B MM, P/N 3017542, Chapter 74-20-02.												

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>KCAC AVIATION</u>	Certified Repair Station Number	<u>M9TR576Y</u>	Work Order No.	<u>MS-18-03934</u>
Work Performed By	<u>KCAC AVIATION</u>	Certificate No.	<u>M9TR576Y</u>	Date	<u>22-Feb-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 THE AIRCRAFT, AIRFRAME, ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED. PERTINENT DETAILS ARE ON FILE UNDER THE ABOVE WORK ORDER.					
Work Inspected By		Certificate No.	<u>M9TR576Y</u>	Date	<u>22-Feb-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

MTR ID # 2734164

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. 102064

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
S550-0004	0004	N178DA	03-Mar-2017	KSUS	7436.6	7764	7333.7	7333.7	7491	7491			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
732010	1 1	NO. 1 ENGINE - FUEL CONTROL UNIT		3244759-4 3030251		A58610	N	R		

Comments: Removed part no: 3244759-4 Removed serial no: A58610.  
Removed the fuel control unit and sent out for evaluation. Reinstalled the fuel control after repair by Kansas Aviation of Independences, LLC. See 8130-3 work order MO-1694. Work was performed IAW with JT15D-4B MM chapter 73-20-01. Operational and leak check was satisfactory.

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	KCAC AVIATION	Certified Repair Station Number	M9TR576Y	Work Order No.	MS-17-03563	
Work Performed By	KCAC AVIATION LLC		Certificate No.	M9TR576Y	Date	03-Mar-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, AIRFRAME, ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED. PERTINENT DETAILS ARE ON FILE UNDER THE ABOVE WORK ORDER.						
Work Inspected By			Certificate No.	M9TR576Y	Date	03-Mar-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

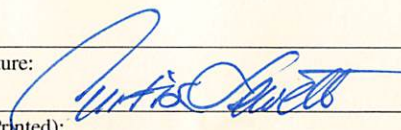
1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</b>	3. Form Tracking Number: <b>152868</b>
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4. Organization Name and Address: <b>Kansas Aviation of Independence, L.L.C.</b> <b>Repair Station VKUR 823L</b> <b>401 Freedom Drive, PO Box 684</b> <b>Independence Municipal Airport</b> <b>Independence, KS 67301</b>	<b>Repair Station :VKUR 823L</b> <b>FAA Certificate :VKUR 823L</b>	5. Work Order/Contract/Invoice Number: <b>MO-1694</b>
--	---	--

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
<b>1</b>	<b>FUEL CONTROL UNIT</b>	<b>3244759-4</b>	<b>1</b> <b>EA</b>	<b>A58610</b>	<b>REPAIRED</b>

12. Remarks:  
 REPAIRED, RECALIBRATED AND RETURNED TO SERVICE REF. Honeywell Model DP-L2  
 CMM 73-20-20  
 Basic Date October 5, 1978  
 Rev. #7, January 15, 2009  
 Dallas Airmotive, Inc. - MO; ESN: Not supplied; Engine Type: Not supplied; TSO: 489.7; TSN: Not supplied;

**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-EASA.145.4603".**

13a. Certifies the items identified above were manufactured in conformity to:		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12	
<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.		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.: <b>VKUR 823L</b>
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyy):	14d. Name (Typed or Printed): <b>Curtis Jewett</b>	14e. Date (dd/mm/yyy): <b>02/Mar/2017</b>

### 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.

**WORK ORDER INSPECTION REPORT**

ESN : Not supplied  
 Engine Type : Not supplied  
 TSO : 489.7  
 TSN : Not supplied  
 Alt. P/N : N/A  
 Work Scope : TAR and Advise  
 . :  
 . :  
 . :  
 . :

**W/O No.**   
 152868  
**P/N**   
 3244759-4  
**S/N**   
 A58610

For Customer : Dallas Airmotive, Inc. - MO  
 S.O. No. : 135769 Line No. : 1

Cust P.O. : MO-1694	P/N : 3244759-4	S/N :
Our Code : JTPD	Desc : FUEL CONTROL UNIT	CSO/CSN :
Work Code :	S/N: A58610	Tag Info :
Work Req'd : REPAIRED	MFG :	Manual :
Contract : 121426560	Qty : 1	Cond As: RPD Revision :
Completed P/N : 3244759-4	S/N As: A58610	Into Bin Loc :
Company : 1	Division : 022	Department :
Order Date : Feb-28-2017	Received Date : Feb-28-2017	Due Date : Mar-10-2017
		Print Date : Mar-02-2017

**Repair/Service WORK ORDER No. 152868**

Customer Comments

TAR and Advise. Cust. states: engine compressor stalls at altitude during power changes.

Receiving Inspection

Suffix "N" and SB-8 are on ID plate. Rec'd with T2 sensor detached (but with unit). Extra: schedule modulator PN: 3244758-1 SN: PWC97A506 (this ID plate is with fuel control PO, it has fallen off).

Test Comments

RECALIBRATED TO FINAL OEM TEST SPECS. UNIT THEN TESTED WITHIN LIMITS.

Comments

TEST AS RECEIVED REVEALED: METERING VALVE IS 13 PPH TO 76 PPH HIGH. GOVERNOR IS 320 PPH HIGH. PICK-UP UNABLE TO ACHIEVE DUE TO HIGH FLOWS. MINIMUM FLOW IS 13 PPH HIGH. MAX STOP IS 125 PPH HIGH. RECOMMEND: REPAIR, RECALIBRATE AND RETURN TO SERVICE.

Authorized Signature 

Name Curtis Jewett

Date : Mar-02-2017



Maintenance Transaction Record

MTR ID # 2581704

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. PC-E 102064

Eng. #2 Serial No.

APU Serial No.

Aircraft Identification and Status

Table with 14 columns: 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. Row 1: S550-0004, 0004, N178DA, 18-May-2016, KSUS, 7365.5, 7748, 7262.6, 7262.6, 7475, 7475, , , 0

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

Table with 11 columns: 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. Row 1: 2581704001, 1 1, OIL PRESS VALVE SPRING, , 3021285, , N/A, N, O. Comments: Removed left engine oil pressure relief valve compression spring and replaced with a overhauled spring (p/n 3021285) in reference to Pratt & Whitney JT15D-4B MM 79-20-01. Spring overhaul completed by Aviation Turbines International, Inc., CRS# OTUR438L, under work order 15712. Performed ground run and adjusted oil pressure regulating valve in reference to Pratt & Whitney JT15D-4B MM 79-20-01. Leak and operational checks were satisfactory.

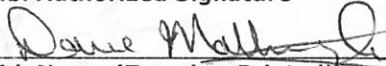
Trans. Type: 1 - Component, 2 - Inspection, 3 - SB, 4 - AD, -- Misc.

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: KCAC AVIATION LLC, Certified Repair Station Number: M9TR576Y, Work Order No.: MS-16-03244, Work Performed By: KCAC AVIATION LLC, Certificate No.: M9TR576Y, Date: 18-May-2016. I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and THE AIRCRAFT, AIRFRAME, ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED. Work Inspected By: CLAY KEITHLEY, Certificate No.: M9TR576Y, Date: 18-May-2016. Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Maintenance Log table with columns Section and Page.

1. Approving Civil Aviation Authority / Country FAA / United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: OTUR 15712	
4. Organization Name and Address: AVIATION TURBINES INTERNATIONAL, INC. 836 Texas Court, O'Fallon, MO 63366				5. Work Order/Contract/Invoice Number: 15712		
6. Item:		7. Description:		8. Part Number:	9. Quantity:	10. Serial Number
9		Spring		3021285	1 each	N/A
11. Status/Work: Overhauled						
12. Remarks:  Overhauled in accordance with Pratt & Whitney Canada JT15D-1/1A/1B/4/4B/4D Overhaul Manual P/N 3017543 - Rev. 30, 10/28/13.						
13a. Certifies the items identified above were manufactured 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.:
						CRS OTUR438L
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):
				Dave Mattingly		30/Apr/2014
<b>User / Installer Responsibilities</b>						
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 the 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 engines(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 certificates. In all cases, aircraft maintenance records must contain an installation certificate issued in accordance with the national regulations by the user / installer before the aircraft may be flown.						

# WORK ORDER

AVIATION TURBINES INT'L  
 LONESTAR INDUSTRIAL PARK  
 836 TEXAS COURT  
 O'FALLON, MO 63366  
 636-978-5300  
 FAA-CRS#OTUR438L

CUSTOMER: ATI  
 MODEL: Pratt & Whitney Canada JT15D BS #: \_\_\_\_\_  
 P/N: See below DATE: April 22, 2014  
 S/N: (1) See Below ACFT: \_\_\_\_\_  
 Oil Filter  
 NOMENCLATURE: Housing Assy. QUANTITY: 16 Total

W.O. # 15712

ENGINE/APU/PART

TT: \_\_\_\_\_ TC: \_\_\_\_\_  
 TSO: 0 CSO: 0  
 FAR PART #: N/A

## WORK TO BE PERFORMED

Received parts from ATI parts room to be overhauled for stock.

Reference Data: Pratt & Whitney Canada JT15D-1/1A/1B/4/4B/4D Overhaul Manual P/N 3017543 - Rev. 30, 10/28/13

2 each Plugs, P/N MS9902-04; 2 each Tubes P/N 3013190; 1 each: Oil Filter Housing Adapter Assy. P/N 3015311; Plug P/N MS9404-08; Spring P/N 3015342; Oil Filter Bypass Valve P/N 3020943; Oil Filter Cover Assy. P/N 3015329; Elbow P/N 3019960; Spring P/N 3021285; Valve Sleeve P/N 3021283; Relief Valve P/N 3028353; Seat P/N 3029351; Oil Filter Housing P/N 3031451, S/N P178; and Tube P/N 3029410

1. Overhaul for stock
2. Close work order through Quality Control
3. Issue 8130-3 Maintenance Release

## WORK ACCOMPLISHED

Overhauled 2 each Plugs, P/N MS9902-04; 2 each Tubes P/N 3013190; 1 each: Oil Filter Housing Adapter Assy. P/N 3015311; Plug P/N MS9404-08; Spring P/N 3015342; Oil Filter Bypass Valve P/N 3020943; Oil Filter Cover Assy. P/N 3015329; Elbow P/N 3019960; Spring P/N 3021285; Valve Sleeve P/N 3021283; Relief Valve P/N 3028353; Seat P/N 3029351; Oil Filter Housing P/N 3031451, S/N P178; and Tube P/N 3029410 in accordance with Pratt & Whitney Canada JT15D-1/1A/1B/4/4B/4D Overhaul Manual P/N 3017543 - Rev. 30, 10/28/13.

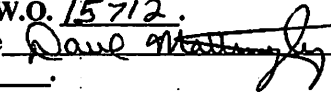
## AD NOTES & SERVICE BULLETINS COMPLIANCE:

None

This certifies that only the work requested by the customer and described on this Work Order was accomplished and inspected in accordance with applicable section of the manufacturers specifications with current Federal Aviation Administration Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under W.O. 15712.

Authorized Signature

Date 4/30/14





Maintenance Transaction Record

MTR ID # 2553024

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. PC-E 102064

Eng. #2 Serial No.

APU Serial No.

Aircraft Identification and Status

Table with 14 columns: 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. Row 1: S550-0004, 0004, N178DA, 18-Mar-2016, KSUS, 7344.1, 7741, 7241.2, 7241.2, 7468, 7468, , , 0

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

Table with 12 columns: 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. Contains 6 rows of maintenance transactions.

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: KCAC AVIATION LLC, Certified Repair Station Number: M9TR576Y, Work Order No.: MS-16-03153, Work Performed By: KCAC AVIATION LLC, Certificate No.: M9TR576Y, Date: 18-Mar-2016. Includes certification text and signature.

Maintenance Log table with 2 columns: Section, Page.





CAMP Systems International  
 8200 E. 34th St. Bldg.1600, Suite 1607  
 Wichita, KS 67226  
 Phone: 316-462-2267 Fax: 316-462-0791

### Maintenance Transaction Report

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

Airframe Entries  
 Eng. # 1  
 Eng. #2  
 APU  
 Serial No. PCF102064      Serial No.                           Serial No.                     

#### Aircraft Identification and Status

A/C Serial No.	A/C Unit No.	A/C Registration	Date (Mo.-Day-Yr.)	City Identifier	Total A/C Hours	Total A/C Landings	Total Engine Hours	Total Engine Cycles	APU Hours	APU Events
S550-0004	0004	N178DA	4/17/2013	SUS	7005.1	7596	#1 6885.7 #2 <u>                    </u>	#1 7323 #2 <u>                    </u>	<u>                    </u>	<u>                    </u>

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

Cescom Item Code	Transaction No.	Transaction Type	Item Name	Position	Installed Vendor Part Number	Mod Level	Installed Serial Number	Removal Reason	Installed Part Status	TBO (Enter # Change Desired)	TSO Installed Part	Material Costs	Man Hours
5-12-02	2	2	PHASE 2										
5-12-04	4	2	PHASE 4										
		1	IGNITION LEAD	OB	3107371-02				N				

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

Detail Method Of Compliance  
 Under Comments Below

W - Worn To Limits  
 S - Scheduled  
 U - Unscheduled  
 C - Convenience  
 N - Other(note below)

Enter One  
 Installed Part Status  
 N - New  
 R - Repaired  
 S - Serviceable  
 O - Overhauled

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

1	Complied with INSPECTION PHASE 2 in reference to Cessna Model 550/SII MM Chapter 5-12-02.
2	Complied with INSPECTION PHASE 4 in reference to Cessna Model 550/SII MM Chapter 5-12-04.
3	Removed and replaced the outboard ignition lead with new in reference to JT15D MM 74-20-01.
4	
5	
6	
7	
8	

Work Order No. MS-13-02001

Maintenance Log Section

Maintenance Log Page



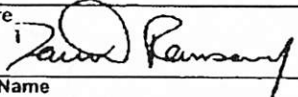
Work Performed By: Midwest Aviation Center      Certificate No. CRS No. M9TR576Y      Date 04/17/13      Scheduled Removal Due (TAT)                     

I certify that the above stated maintenance and/or inspections was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service

**Permanent Aircraft Record - File In Maintenance Log**

Work Inspected By: Derek Piotrowicz      Certificate No. CRS No. M9TR576Y      Date 4/17/2013

## DOCUMENT OFFICIEL - OFFICIAL RECORD

1. Autorité de l'aviation civile/Pays qui approuve le bon de sortie Approving Civil Aviation Authority/Country		2. BON DE SORTIE AUTORISÉE - AUTHORIZED RELEASE CERTIFICATE			3. Numéro de suivi du formulaire - Form Tracking No.	
Transport Canada		FORM ONE			81958065 - 000022 1928612	
4. Nom et adresse de l'organisme - Organization Name and Address		Pratt & Whitney Canada Cie. / Pratt & Whitney Canada Corp.			5. Bon de travail/Contrat/Facture - Work Order/Contract/Invoice	
 <b>Pratt &amp; Whitney Canada</b> Une société de United Technologies / A United Technologies Company		1000 boul. Marie-Victorin Longueuil, Québec Canada J4G 1A1 (450) 677-9411			2449786 1993099	
6. Article - Item	7. Description	8. Numéro de pièce - Part No.	9. Qtée. - Qty.	10. Numéro de série/de lot - Serial/Batch No.	11. Situation/Travail - Status/Work	
000001	CABLE-IGNITION EXCITER TO IGNITER	3107371-02	3 EA	N/A	NEW	
12. Remarques - Remarks						
<p>Note: Les numéros de série figurant sur les étiquettes ou sur les pièces servent à la fabrication et ne doivent pas être inscrits sur le présent certificat.</p> <p>Note: Any serial numbers that may be present on labels or parts are for manufacturing purposes and need not be referenced on this certificate.</p>						
HIST SEQ:  COND: FN ITEM: 3107371-02 PL: 31 LOT: DD-118292-5 BIN: B18C13 RECD: 03/12/13						
<p>Le cas échéant, la durée de stockage est précisée sur l'emballage de l'article - When applicable, shelf life is indicated on the item packaging.</p> <p>"Le numéro de pièce identifié sur la pièce peut inclure un suffixe alphabétique. Ce suffixe alphabétique dénote le niveau de révision de la pièce. Tous les niveaux de révision pour une pièce donnée sont parfaitement interchangeables. Le niveau de révision d'une pièce n'est pas requis pour ce certificat."</p> <p>"The part number marked on a part may include an alpha suffix. This alpha suffix denotes the part's revision level. All revision levels for a given part number are fully interchangeable. The part's revision level is not required for this certification."</p>						
13a. Le présent bon de sortie certifie que les articles indiqués ci-dessus ont été construits conformément à :			14a. <input type="checkbox"/> RAC 571.10 (certification après maintenance) - CAR 571.10 Maintenance Release			
<input checked="" type="checkbox"/> des données de conception approuvées et qu'ils peuvent être utilisés en toute sécurité approved design data and are in condition for safe operation.			<input type="checkbox"/> Autre réglementation précisée à la case 12 - Other regulations specified in block 12.			
<input type="checkbox"/> des données de conception non approuvées indiquées à la case 12. non approved design data specified in block 12.			Le présent bon de sortie certifie que, sauf indication contraire à la case 12, le travail indiqué à la case 11 et décrit à la case 12, a été effectué conformément au Règlement de l'aviation canadien. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature		13c. Numéro de l'organisme agréé Approved Organization Number		14b. Signature		14c. Numéro de l'organisme agréé Approved Organization Number
 LC 488 NO. 122		4 - 58		S/O - N/A		S/O - N/A
13d. Nom - Name		13e. Date (dd/mmm/yyyy)		14d. Nom - Name		14e. Date (dd/mmm/yyyy)
D. Ramsay		22/FEB/2013		S/O - N/A		S/O - N/A

FORM ONE (2009-12) - P&amp;WC 5720 (2009-12) \* Le monteur doit contre-vérifier l'admissibilité avec les données approuvées - \*Installer must cross-check eligibility with approved data

## RESPONSABILITÉS DU MONTEUR - INSTALLER RESPONSIBILITIES

1. Le présent bon de sortie ne constitue pas une autorisation de montage. - 1. This certificate does not constitute authority to install.
2. Le monteur qui travaille conformément à la réglementation d'un pays autre que celui spécifié à la case 1 doit s'assurer que la réglementation en question reconnaît la certification du pays ainsi spécifié. - 2. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from country specified.
3. Les déclarations des cases 13a et 14a ne constituent pas une certification du montage. Dans tous les cas, le dossier technique de l'aéronef doit inclure une certification de montage délivrée conformément à la réglementation nationale qui s'applique, avant que l'aéronef puisse voler. - 3. Statements in block 13a and 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

P&amp;WC JR3-0054-E (2009-12)

DOCUMENT OFFICIEL - OFFICIAL RECORD



CAMP Systems International  
 8200 E. 34th St. Bldg.1600, Suite 1607  
 Wichita, KS 67226  
 Phone: 316-462-2267 Fax: 316-462-0791

### Maintenance Transaction Report

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

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

#### Aircraft Identification and Status

A/C Serial No.	A/C Unit No.	A/C Registration	Date (Mo.-Day-Yr.)	City Identifier	Total A/C Hours	Total A/C Landings	Total Engine Hours	Total Engine Cycles	APU Hours	APU Events
S550-0004	0004	N178DA	9/12/2012	SUS	6946.9	7570	#1 6827.5 #2	#1 7297 #2		

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

Cescom Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Mod Level	Installed Serial Number	Removal Reason	Installed Part Status	TBO (Enter # Change Desired)	TSO Installed Part	Material Costs	Man Hours
	1	1	Engine	#1	JT15D-4B		PCE102064	S	O		0.0		
	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

**W - Worn To Limits**  
**S - Scheduled**  
**U - Unscheduled**  
**C - Convenience**  
**N - Other(note below)**

**Enter One**  
**Installed Part Status**  
 N - New  
 R - Repaired  
 S - Serviceable  
 O - Overhauled

#### Ref No This Space For Other Maintenance Comments Including, Test Or Calibration Dates, Removed Serial Numbers, Etc.

1	Installed this OVERHAULED engine (S/N PCE102064) in the #1 position on N178DA in reference to Cessna Model 550/SII Maintenance Manual Chapter 71-01-02. Serviced the engine with BP2380 oil. Adjusted the engine controls in reference to Cessna 550/SII MM Chapter 76-11-00. Performed an engine ground run in reference to MM Chapter 71-01-02. Engine performance was satisfactory, no leaks or defects noted.
2	
3	
4	
5	
6	
7	

Work Order No.	<input type="text" value="MS-12-01711"/>	Maintenance Log Section	Maintenance Log Page
----------------	--	-------------------------	----------------------

Work Performed By:	<input type="text" value="Midwest Aviation Center"/>	Certificate No.	<input type="text" value="CRS# M9TR576Y"/>	Date	<input type="text" value="09/12/12"/>	Scheduled Removal Due (TAT)	<input type="text"/>
--------------------	--	-----------------	--	------	---------------------------------------	-----------------------------	----------------------

I certify that the above stated maintenance and/or inspections was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service

Work Inspected By:  Certificate No.  Date

**Permanent Aircraft Record - File In Maintenance Log**



6114 Forest Park Road  
 Dallas, TX 75235-6498  
**CERTIFICATE NO. YRRR491L**

<b>JT15D-4B</b>	<b>Engine S/N:</b> PCE102064	<b>T.S.N.:</b> 6827.5	<b>C.S.N.:</b> 7297	<b>T.S.O.:</b> 00.0	<b>C.S.O.:</b> Zero
-----------------	------------------------------	-----------------------	---------------------	---------------------	---------------------

Overhauled, Tested and Preserved with reference to Pratt & Whitney Overhaul Manual 3017543 Revision 28 Dated May 13, 2011 and other data and methods acceptable to the administrator.  
**Turbine Vane Ring Areas: H.T.: L.T.:**

**Airworthiness Directive Status: Accomplished:** AD 87-10-01 Amendment 39-5959 Dated July 15, 1988.  
**Previously Accomplished:** AD 93-18-08 Amendment 39-8693 Dated November 24, 1993. AD 91-15-02 Amendment 39-7065 Dated August 22, 1991.

**Pratt & Whitney Service Bulletins Accomplished:** 7002, 7099, 7238, 7257, 7292, 7294, 7329, 7330, 7336, 7338, 7347, 7351, 7465, 7508, 7509, 7513, 7522, 7528, 7541, 7585, 7607, A7614, 7625.

**Manufacturer's Service Bulletins Accomplished: Honeywell:** 73-5, 73-8.

CORRECTED ENGINE PERFORMANCE						TRIM DATA WEIGHT LOCATION										
Thrust	N1%	Nozzle Class	N2%	T5 Trim $\Omega$	Build Spec	High Rotor (F)				High Rotor (R)		Low Rotor				
2500	98.0	S6	94.7	32.1	638	FE15	FF35	N/R	N/R	RE15	RF35	N/R	N/R	F38	N/R	N/R

**LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 7002, Latest Revision, For Approved Life Limits)**

Name	Part Number	Serial Number	T.S.N.	C.S.N.	Remarks	Name	Part Number	Serial Number	T.S.N.	C.S.N.	Remarks
Hub – L.C.	3018018	8N603	6827.5	14,594		Blades – H.T.	3055021-01	NSN	TSO: 00.0	N/A	
Hub – Booster	3021112	8N763	6827.5	7297		Disk – Stage 2, L.T.	3022212	1P861	6827.5	7297	
Impeller	3036625	7D677	N/A	5577	Ex – PCE71097	Disk – Stage 3, L.T.	3021213	1P815	6827.5	7297	
Disk-H.T.	3023411	1P770	6827.5	7297							

**LOW COMPRESSOR BLADE INSTALLATION**

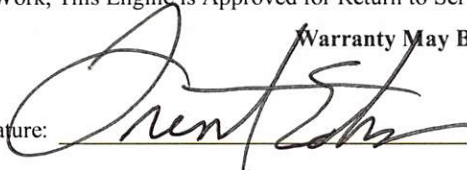
Part Number	Serial Number	Part Number	Serial Number	Part Number	Serial Number	Part Number	Serial Number
3033501CL12	PV9732301	3033501CL11	PV9732317	3019801CL11	PV9732326	3033501CL11	PV9732318
3033501CL12	PV9732314	3033501CL11	PV9732303	3019801CL11	PV9732319	3033501CL11	PV9732316
3033501CL12	PV9732310	3033501CL11	PV9732315	3019801CL10	MT95020406	3033501CL8	PC9405907
3033501CL12	PV9732313	3019801CL11	PV9732323	3019801CL10	PV9731511	3038301CL8	MT9616201
3033501CL12	PV9732308	3019801CL11	PV9732321	3019801CL9	MT9504802	3038301CL8	MT9616202
3033501CL12	PV9737419	3019801CL11	PV9732320	3042101CL12	43B927	3019801CL11	PV9732327
3033501CL12	PV9727424	3019801CL11	PV9732325	3033501CL13	PV9732312	3033501CL12	PV9727412

**ACCESSORY INSTALLATION**

Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks
Anti-Ice Valve	KW15632	2289	00.0		Motive Flow Valve	2524995-1	A90854	00.0	
Exciter	9049770-3	97504269	00.0		Oil Cooler	3015303	2049	00.0	
Exciter	9049770-3	97504266	00.0		Oil Filter	3029315	NSN	00.0	
Fuel Control Unit	3244759-4	A58610	00.0		Oil Pump	3104268-01	HT1035	00.0	Ex – PCE77277
Fuel Pump	398601-2	0342	00.0		Schedule Modulator	3244758-1	PWC97A506	00.0	
Igniter Plugs (2 ea.)	FHE246-4	NSN	New		Shut-off Valve	25607-2	3232	00.0	

This Engine Has Been Overhauled And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration, Title 14, Code of Federal Regulations, Part 43 and in Respect to That Work, This Engine is Approved for Return to Service. Pertinent Details Of This Overhaul Are On File At This Repair Station Under Sales Order **OH54224**.

Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003.

Authorized Signature: 

Date: August 24, 2012

Prepared By: 

1. Approving National Aviation Authority/Country FAA/United States	<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: OH54224
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4. Organization Name and Address  Dallas Airmotive, Inc. 6114 Forest Park Road Dallas, TX 75235 Certificate Number: YRRR491L	5. Work Order/Contract/Invoice Number: OH54224
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6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	PWC JT15D-4B Engine	3018000	N/A	1 (one)	PCE102064	OVERHAULED


13. Remarks    TT: 6827.5    TSO: 00.0    CSN: 7297    CSO: Zero

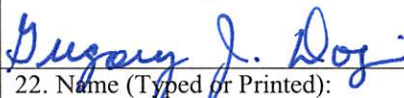
Overhauled, Tested and Preserved with reference to Pratt & Whitney Overhaul Manual 3017543 Revision 28 Dated May 13, 2011 and other data and methods acceptable to the administrator.

Airworthiness Directive Status:    Accomplished:    AD 87-10-01 Amendment 39-5959 Dated July 15, 1988.

Pratt & Whitney Service Bulletins Accomplished:    7002, 7099, 7238, 7257, 7292, 7294, 7329, 7330, 7336, 7338, 7347, 7351, 7465, 7508, 7509, 7513, 7522, 7528, 7541, 7585, 7607, A7614, 7625.

Manufacturer's Service Bulletins Accomplished:    Honeywell: 73-5, 73-8.

Details on file at this Repair Station under work order/s referenced in block 3 & 5    Inspector:     Date:    **AUG 27 2012**

14. 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 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.: YRRR491L
17. Name (Typed or Printed):	18. Date	22. Name (Typed or Printed): <b>Gregory J. Dozier</b>	23. Date: <b>AUG 27 2012</b>

**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.**

JT15D TIMES/CYCLES

Purchase Order # PO-12-07811

Date: 6/8/2012

A/C Reg. #: N178DA

A/C S/N: \$550-0004

A/C Total Times: 6933.5

A/C Total Landings: 7563

Engine Model: JT15D-4B

Engine S/N: PCE-102064

**Engine:**

Total Time 6827.5

Time Since Overhaul 3815.1

Total Cycles 7297

Cycles Since Overhaul 3572

**H.T. Disk:**

Part Number: 3023411

Serial Number: 1P770

Total Time 6827.5

Time Since Overhaul 3815.1

Total Cycles 7297

Cycles Since Overhaul 3572

H.T. Disk Trim Data (from data plate or log book)

**H.T. Blades:**

Part Number: 3029601

Total Time 2093.4

Time Since Overhaul N/A

Total Cycles 1372

Cycles Since Overhaul N/A

**L.T. DISK 2nd STAGE:**

Part Number: 3022212

Serial Number: 1P861

Total Time 6827.5

Time Since Overhaul 3815.1

Total Cycles 7297

Cycles Since Overhaul 3572

**L.T. DISK 3rd STAGE:**

Part Number: 3021213

Serial Number: 1P815

Total Time 6827.5

Time Since Overhaul 3815.1

Total Cycles 7297

Cycles Since Overhaul 3572

**L.C. DISK: (FAN)**

P/N 3018018

S/N 8N603

Total Time 6827.5

Time Since Overhaul 3815.1

Total Cycles 7297

Cycles Since Overhaul 3572

Ref: rotor comp. - service life SB)

Low Compressor Trim Data (from data plate or log book)

Engine Position: R/H (L/H) (please circle)

Completed

By: Jeff Ryder  
signature

Jeff Ryder  
print

Title: Chief Inspector



CAMP Systems International  
 8200 E. 34th St. Bldg. 1600, Suite 1607  
 Wichita, KS 67226  
 Phone: 316-462-2267 Fax: 316-462-0791

### Maintenance Transaction Report

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

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

#### Aircraft Identification and Status

A/C Serial No.	A/C Unit No.	A/C Registration	Date (Mo.-Day-Yr.)	City Identifier	Total A/C Hours	Total A/C Landings	Total Engine Hours	Total Engine Cycles	APU Hours	APU Events
S550-0004	0004	N178DA	6/8/2012	SUS	6933.5	7563	#1 6827.5 #2	#1 7297 #2		

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

Cescom Item Code	Transaction No.	Transaction Type	Item Name	Position	Installed Vendor Part Number	Mod Level	Installed Serial Number	Removal Reason	Installed Part Status	TBO (Enter # Change Desired)	TSO Installed Part	Material Costs	Man Hours
	1	1	Engine	#1	JT15D-4B			S					
	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

**W - Worn To Limits**  
**S - Scheduled**  
**U - Unscheduled**  
**C - Convenience**  
**N - Other (note below)**

**Enter One**  
**Installed Part Status**  
**N - New**  
**R - Repaired**  
**S - Serviceable**  
**O - Overhauled**

#### Ref No. This Space For Other Maintenance Comments Including, Test Or Calibration Dates, Removed Serial Numbers, Etc.

1	Removed this engine (S/N PCE-102064) from the #1 position from aircraft N178DA (S/N S550-0004) for overhaul in reference to Cessna Model 550/SII Maintenance Manual Chapter 71-01-02.
2	
3	
4	
5	
6	
7	
8	

Work Order No.	<input type="text" value="MS-12-01688"/>	Maintenance Log Section	Maintenance Log Page
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Work Performed By:	<input type="text" value="Midwest Aviation Center"/>	Certificate No.	<input type="text" value="CRS# M9TR576Y"/>	Date	<input type="text" value="06/08/12"/>	Scheduled Removal Due (TAT)
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I certify that the above stated maintenance and/or inspections was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service

Work Inspected By:		Certificate No.	<input type="text" value="CRS# M9TR576Y"/>	Date	<input type="text" value="6/8/2012"/>
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**Permanent Aircraft Record - File In Maintenance Log**