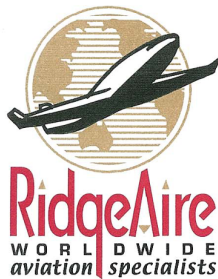


N318DN

1981 Citation I/SP

Engine Logbooks #2 (2000- Current)



MSN: 501-0184

Prepared by the worldwide aviation specialists at RidgeAir, Inc.

ENGINE SERVICE AND MAINTENANCE RECORD

① ENG. #1 ENG. #2 (CHECK ONE)
 MODEL NO. _____ ENG. SERIAL NO. _____ ☐ ☐ (CHECK ONE)

② AIRCRAFT IDENTIFICATION AND STATUS

A/C SERIAL NO.	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
----------------	--------------	----------------------	--------------------	-----------------	-----------------	--------------------	--------------------	---------------------

③ COMPONENT CHANGES / INSPECTIONS ACCOMPLISHED

TRANSACTION NO.	TYPE	ITEM NAME	POSITION	INSTALLED VENDOR PART NUMBER	MOD LEVEL	INSTALLED SERIAL NUMBER	REMOVAL REASON	INSTALL-ED PART STATUS	TBO ENTER IF CHANGE DESIRED	HOURS	CYCLES	MATERIAL COSTS	MAN HOUR
1													
2													
3													
4													
5													
6													
7													
8													

Pratt & Whitney Engine Services, Inc.
 1525 Midway Park RD
 Bridgeport, WV 26330
 Certificate Number LM1R301K



Pratt & Whitney
 A United Technologies Company

Manufacturer	Description	Model/Type	Serial Number
PRATT & WHITNEY	ENGINE, TURBOFAN	JT15D-1A	PC-E 77129
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
6964.0	4901	-0-	-0-

☒ Overhaul ☐ Repair

Engine has been Inspected, Repaired, and Overhauled in accordance with JT15D-1A Overhaul Manual P/N 3017543 Rev.15 and Cessna Triple Crown Program "PLATINUM" PWV-JT15D-1A-78 and other Approved Documents.

Ref: N1 & Nozzle Class	95.56/ A	(%/CL)
Ref: N2	94.46	(%)
Ref: FN/8	2200	(LBS)
T5 Trim	21.2	(Ohms)

This engine has been overhauled and inspected in accordance with current regulation of the Federal Aviation Administration and is approved for return to service. Pertinent details of the work performed are on file at this agency under work order.

No. 4792708

Date 16 June, 2000

Approved Inspector

E.L. Wright PWV 5
 E.L. Wright Q.C. Coordinator

PWV-3096 (MAY 98)

REPAIR FACILITY

WORK PERFORMED BY

I certify that the above stated maintenance and/or in

- ☐ FEDERAL AVIATION ADMINISTRATION
☐ MINISTRY OF TRANSPORT
☐ OTHER (SPECIFY) _____

and the engine identified above is presently airworthy and approved for return to service.

CERTIFICATE NO.

DATE

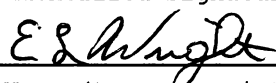
Permanent Engine Record

HOURS CYCLES
 TIME SINCE NEW OR O/H
 PAIRED O - OVERHAULED S - SERVICABLE
 NUMBERS, ETC.

ey Aircraft
 d.
 il, Quebec,

⑦

BOOK	PA
	C

1. UNITED STATES		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG US Department of Transportation Federal Aviation Administration				3. SYSTEM TRACKING REF. NO. 4792708	
4. ORGANIZATION: PRATT&WHITNEY ENGINE SERVICES, INC. 1525 MIDWAY PARK RD BRIDGEPORT, WV 26330 CERTIFICATE NO: LM1R301K						5. W/O, CONTRACT OR INVOICE 4792708	
6. ITEM	7. DESCRIPTION	8. PART NO.	9. ELIGIBILITY*	10. QTY.	11. SERIAL/BATCH NUMBER	12. STATUS/WORK	
ONE	ENGINE, TURBOFAN	3018700	JT15D-1A	ONE	PC-E 77129	OVERHAULED	
13. REMARKS: TTSN: 6964.0 TCSN: 4901 TTSO: -0- TCSO: -0- THE ENGINE IDENTIFIED HEREON WAS REPAIRED, INSPECTED AND OVERHAULED IN ACCORDANCE WITH JT15D-1A OVERHAUL MANUAL P/N 3017543 REV.15 AND OTHER APPROVED DOCUMENTS. PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS REPAIR STATION UNDER THE ABOVE WORK ORDER NUMBER.							
Limited life parts must normally be accompanied by maintenance history including total time/total cycles/time since new							
14. New ☐ Newly Overhauled ☐ 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: 		21. Certificate Number: LM1R301K	
17. Name (type or print):		18. Date:		22. Name (type or print): E.L.WRIGHT Q.A. COORDINATOR		23. Date: 16-Jun-00	

*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.

PRATT & WHITNEY ENGINE SERVICES, INC.
JT15D ENGINE TEST CERTIFICATE

WORK ORDER NUMBER 4792708	ENGINE MODEL JT15D-1A	MAINTENANCE CATAGORY OVERHAUL
ENGINE SERIAL NUMBERS PC-E 77129		
TURBINE VANE CLASSES 2ND STAGE VANE: 39.50		
CORRECTED PERFORMANCE RATING: TAKEOFF THRUST LB: 2200 N1/RTHO: 15290 N2/RTHO: 30945 SFC @ 2200 LBS. : .541 T5/THO °R (REF T5 °C): 1685°R (659°C) DELTA PSD: 5.15		
TRIM PLATE INFORMATION DATA PLATE SPEED N1 %: 95.56 DATA PLATE SPEED N2 %: 94.46 T5 TRIM RESISTANCE OHMS: 21.2 NOZZLE CLASS: A		
THIS ENGINE HAS BEEN TESTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.		
DATE 16 Jun. 2000	APPROVED INSPECTOR  E.L. WRIGHT, QA COORDINATOR	

PRATT & WHITNEY ENGINE SERVICES, INC.
INSPECTION RECORD
LIFE LIMITED PARTS LOG
JT15D

DATE 16 Jun. 2000		WORK ORDER NUMBER 4792708		ENGINE SERIAL NUMBER PC-E 77129		CUSTOMER CESSNA - SMF			
REFERENCE: S/B 7002 REV 35				ENGINE STATUS OVERHAUL		SALES ORDER 0V7927			
ENGINE	TTSN	6964.0	TCSN	4901	TTSO	-0-	TCSO	-0-	
PART NAME	P/N	S/N	TSN	CSN	REMAINING		MAX LIFE		
					TIME	CYCLE	TIME	CYCLE	
COMP HUB 1	3018018	6C748	6964.0	9802	XXXX	17698	XXXX	27500	
COMP HUB	N/A	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
IMPELLER	3032070	2B706	2493.0	2567	XXXX	5833	XXXX	8400	
HIGH TURB	3023411	8C647	6964.0	4901	XXXX	9099	XXXX	14000	
LP TURB 1	3022212	7C013	6964.0	4901	XXXX	9099	XXXX	14000	
LP TURB 2	3036113	7C994	6964.0	4901	XXXX	9099	XXXX	14000	
HT BLADES	3028601	XXXX	-0-	-0-	3500	XXXX	3500	XXXX	
REMARKS:									
COMPLETED BY: <i>E.L. Wright</i>  E.L. WRIGHT, QA COORDINATOR						DATE: 16 Jun. 2000			

PRATT & WHITNEY ENGINE SERVICES, INC.

JT15D LOW COMPRESSOR BLADE HISTORY CARD

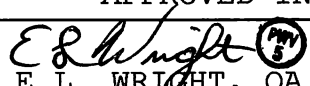
7337

Serial Number Record

Date: 16 June, 2000		Model: JT15D-1A		S/N: PC-E 77129	
Work Order: 4792708			Insp. Stamp: 		
T.S.N.: 6964.0		C.S.N.: 4901		T.S.O.: -0-	
				C.S.O.: -0-	
Part Number	Serial Number	Part Number	Serial Number	Part Number	Serial Number
3019801	PV0011901	3019801	PV0011915		
3019801	1070	3019801	PV0011916		
3019801	PV0011903	3019801	PV0011917		
3019801	1275	3019801	1324		
3019801	PV0011905	3019801	PV0011919		
3019801	PV0011906	3019801	PV0011920		
3019801	PV0011907	3019801	PV0011921		
3019801	PV0011908	3019801	1605		
3019801	PV0011909	3019801	A0090		
3019801	PV0011910	3019801	A9980		
3019801	PV0011911	3019801	B9942		
3019801	PV0011912	3019801	PV9706406		
3019801	PV0011913	3019801	PV9706417		
3019801	PV0011914	3038301	PV0002703		

PRATT WHITNEY ENGINE SERVICES, INC.

ENGINE MODIFICATION LOG

WORK ORDER NUMBER	ENGINE MODEL	SERIAL NUMBER
4792708	JT15D-1A	PC-E 77129
THE FOLLOWING SERVICE BULLETINS WERE FOUND PREVIOUSLY EMBODIED: 7027, 7075, 7093, 7101, 7103, 7106, 7110, 7111, 7112, 7114, 7115, 7116, 7117, 7119, 7121, 7123, 7124, 7125, 7128, 7129, 7130, 7132, 7133, 7134, 7136, 7137, 7138, 7139, 7143, 7146, 7147, 7149, 7150, 7152, 7153, 7161, 7163, 7168, 7182, 7183, 7191, 7193, 7197, 7199, 7203, 7206, 7212, 7215, 7220, 7226, 7229, 7238, 7252, 7253, 7269, 7288, 7292, 7294, 7306, 7307, 7309, 7310, 7317, 7322, 7432		
THE FOLLOWING SERVICE BULLETINS WERE EMBODIED THIS VISIT: 7002, 7165, 7172, 7180, 7181, 7192, 7207, 7244, 7257, 7318, 7321, 7324, 7328, 7330, 7337, 7338, 7347, 7351, 7376, 7384, 7392, 7394, 7395, 7408, 7409, 7421, 7428, 7484, 7507, 7522, 7541, 7549		
THE FOLLOWING AIRWORTHINESS DIRECTIVES WERE CHECKED FOR PREVIOUS COMPLIANCE OR COMPLIED WITH THIS VISIT: AD(CF-80-26R1), AD(CF-87-05R1), AD(CF-91-18), AD(CF-91-28), AD(CF-91-37R1) PART A&B, AD(87-10-01), AD(93-18-08)		
I HEREBY CERTIFY THAT THE ABOVE MODIFICATIONS HAVE BEEN INCORPORATED IN THIS ENGINE PER THE MANUFACTURER'S RECOMMENDATIONS.		
DATE	APPROVED INSPECTOR	
16 Jun. 2000	 E.L. WRIGHT, QA COORDINATOR	

PRATT & WHITNEY ENGINE SERVICES, INC.
LOG OF MAJOR PARTS REPLACED

WORK ORDER NUMBER			ENGINE MODEL		SERIAL NUMBER
4792708			JT15D-1A		PC-E 77129
QTY	PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION
NEW PARTS			1	3119630-01	RING
5	3017244	PLAIN BEARING	9	3119631-01	DEFLECTOR
10	3020703	LT BLADE	1	3119762-01	HOUSING
61	3022202	LT BLADE			
71	3028601	HT BLADE	EXCHANGE PARTS		
1	3028789	STRAINER	1	3041661	STATOR
1	3029255	RING	12	3100713-01	FUEL NOZZLE
3	3030835CL12	SHROUD SEGMENT			
12	3030835CL14	SHROUD SEGMENT	USED SERVICEABLE PARTS		
3	3040676	SPACER	3	3019801	LC BLADE
10	3041668-01	DUCT	1	3027285	PUMP ELEMENT
1	3100596-01	SEAL	1	3027289	PUMP ELEMENT
1	3100653-01	RING	1	3027294	PUMP ELEMENT
1	3104389-01	TURBINE BOLT	1	3029065	LARGE EXIT DUCT
2	3107371-01	IGNITION CABLE	1	3029070	SEAL
1	3108677-01	RETAINING PLATE	1	3032070	IMPELLER
1	3114741-01	INTERMEDIATE CASE	1	3038301	LC BLADE
1	3117079-01	BRACKET	1	3109322-01	SHAFT
1	3117271-01	NOZZLE SEAL HOUSING	1	3114605-01	LC SHAFT
2	3117273-01	GROMMET HOUSING			
1	3117494-01	SEAL RING			
1	3118294-01	HT SHAFT			
2	3119442-01	CHECK VALVE			
1	3119579-01	BEARING			
10	3119625-01	CLAMP			

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&WES INVOICE.

DATE	APPROVED INSPECTOR
16 June, 2000	<i>E.L. Wright</i>  E.L. WRIGHT, QA COORDINATOR

**PRATT & WHITNEY ENGINE SERVICES, INC.
ENGINE CHECK LIST**

JT15D SHIPPING CHECK LIST			
CUSTOMER: CESSNA – SMF		SALES ORDER: 0V7927	
ENGINE MODEL	SERIAL NUMBER	BUILD SPEC	WORK ORDER
JT15D-1A	PC- E 77129	503	4792708

SERIALIZED ACCESSORIES	MFG. PART NUMBER	SERIAL NUMBER	REMARKS
FUEL CONTROL	3244763-2	A60171W N	TSO: -0-
FUEL PUMP	025493-402-05	1812	TSO: -0-
MOTIVE FLOW VALVE	2524995-1	A90389	TSO: -0-
FUEL TO OIL COOLER	UA530768-4	3066	TSO: -0-
FLOW DIVIDER	25607-2	1681	TSO: -0-
IGNITION EXCITER	10-381550-22	99409776	TSO: -0-
IGNITION EXCITER	N/A		
SCHEDULE MODULATOR	3244758-1	PWC00A060	TSO: -0-
BLEED VALVE ACTUATOR	N/A		
SOLENOID VALVE ANTI-ICE	KW15632	1198	TSO: -0-
ELECTRIC ENGINE CONTROL	N/A		
BLEED VALVE CONTROL	N/A		
FAULT MONITOR & RECORDER	N/A		
LOG BOOK	TYPE	COLOR	QUANTITY
	P&WC	YELLOW	TWO

CONTAINER TYPE <u>CARDBOARD</u> SERIAL NUMBER <u>N/A</u>	
CONDITION <u>SERVICEABLE</u>	
INSPECTOR: <i>E.L. Wright</i> E.L. WRIGHT QA COORDINATOR	DATE: 16 June, 2000

N/R = NOT RECEIVED

N/A = NOT APPLICABLE

S/L = SHIP LESS

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

Maintenance Transaction Record

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

☐ Airframe
Entries

☐ Eng. #1
Serial No. _____

☒ Eng. #2
Serial No. PCE-77129

☐ APU
Serial No. _____

☐ Freon
Serial No. _____

Cessna
A Textron Company

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
501-0184	0575	N318DN	Aug-25-2008	SAT	8248.3	5881		8149.9		5825			

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
	07659001	1	1	ENGINE-JT15D-1A									

Comments: Removed Part No:JT15D-1A Removed Serial No:PC-E77129 DUE TO ITT TEMP LIMITED AT POWER OF THE DAY. BOROSCOPE ENGINE FOUND DAMAGE TO HPT BLADES. DRAINED ALL FLUIDS AND CAPPED, ENG TAGGED WITH "NO OIL" TAG. CRATED ENGINE FOR SHIPMENT FOR EVALUATION. ENGINE REMOVED WITH TSN:8149.9 CSN:5825

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 SAN ANTONIO CITATION SERVICE CENTER	Certified Repair Station Number CNQ5918C	Work Order No. 1-18024
Work Performed By SAN ANTONIO CITATION SERVICE CENTER	Certificate No. CNQ5918C	Date Aug-25-2008
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 is NOT approved for return to service. Pertinent details of the work are on file at this agency.		
Work Inspected by RICHARD GONZALES	Certificate No. CNQ5918C	Date Aug-25-2008
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page
8	1

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



Maintenance Transaction Record

MTR ID: 619019

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. _____ ☐ 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
501-0184	0575	N318DN	Sep-16-2008	SAT	8248	5881	8460	8023.7	6436	7749			

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
710001	1	1	ENGINE	E2**R	JT15D-1B / 3018700		PCE-76655	U	S			
Comments: Removed Part No: JT15D-1A Removed Serial No: 77129 Due To ITT Temp Limited At Power Of The Day. Installed Inspected Unit From Dallas Airmotive FAA#QT2R121L As Rental Engine With TTSN:8023.7 TCSN:7749 I.A.W. 500 MM Ch. 71-00-00. Serviced With 2380 Engine Oil. Ops Check/Leak Check Good.												
793006	2	1	SW-LOW OIL PRESSURE	L	1103P89-1 / 9912178-2		2130	U	N			
Comments: Removed Part No: 8130059 Removed Serial No: 569 Due To Broken Wire. Installed New Unit I.A.W. 500 MM Ch. 79-30-02. Ops Check Good.												
732002	3	1	ENGINE SYNC CONTROL		213723		1290836	U	O	00		
Comments: Removed failed Part No: 213723 Removed failed Serial No: 17310J. Installed a overhauled unit by Ontic Engineering Inc. FAA # OE6R225J. Installed unit ops check good PER CE500 M.M. CH. 76-11-00.												

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 San Antonio Citation Service Center	Certified Repair Station Number CRS# CNQ5918C	Work Order No. 1-18024
Work Performed By San Antonio Citation Service Center	Certificate No. CNQ5918C	Date Sep-16-2008
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 approved for return to service		
Work Inspected by Robert W. Westphal	Certificate No. CNQ5918C	Date Sep-16-2008
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page
3	1

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



EHO,
MODEL NO.

EHO, B1 EHO, B2

(CHECK ONE)

Aircraft Identification and Status

A/C Serial No.	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
----------------	--------------	----------------------	--------------------	-----------------	-----------------	--------------------	--------------------	---------------------

Component Changes Inspections Accomplished

Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Installed Serial Number	Removal Reason	Installed Part Status	(TBO Enter if Change Desired)	Hours	Cycles	Material Costs	Man Hours	O/A Agent Code
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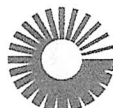
Do Not

Write

In This

Space

Pratt & Whitney Engine Services, Inc.
1525 Midway Park Road
Bridgeport, WV 26330
Certificate Number LM1R301K

**Pratt & Whitney**

A United Technologies Company

Manufacturer	Description	Model/Type	Serial Number
PRATT & WHITNEY	ENGINE, TURBOFAN	JT15D-1A	PCE-77129
Time Since New	Landings Since New	Time Since Overhaul	Landings Since Overhaul
8149.9	5825	1185.9	924

☐ Overhaul ☒ Repair ☒ H.S.I.

DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION:

THIS ENGINE HAS BEEN INSPECTED AND REPAIRED FOR HIGH TURBINE BLADE DISTRESS IN ACCORDANCE WITH P&WC OVERHAUL MANUAL P/N 3017543, REV 26, DATED 13 MAY 2005, AND APPROVED DOCUMENTATION AND/OR ENGINEERING DOCUMENTATION ACCEPTABLE TO THE ADMINISTRATOR. AN H.S.I. WAS ACCOMPLISHED IN ACCORDANCE WITH P&WC MAINTENANCE MANUAL P/N 3017542, REV 38, DATED 08 AUG 2008.

Ref: N1 & Nozzle Class	94.9 / AA	(%/CL)	Trim Balance Weights
Ref: N2	94.2	(%)	HP Front FE5 FF12 FF13
Ref: FN/8	2200	(LBS)	HP Rear RE5 RF12 RF13
T5 Trim	20.3	(Ohms)	LP Front NIL

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. This engine has been determined to be airworthy with respect to the work performed. Pertinent details of the work performed are on file at this agency under sales order No. 154806.

Date: SEPTEMBER 26, 2008

Signed:

KEVIN P. DYER, AUTHORIZED INSPECTOR

PWV-3096 (MAY 98)

Installed Part Status
Hours
Cycles Total Cycles Since New Or O/H
N - New R - Repaired O - Overhauled S - Serviceable
Numbers, Etc.

Repair Facility

Certificated Repair Station Number

Work 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☐ Ministry of Transport☐ Other (Specify) _____ and the engine identified above is presently airworthy and approved for return to service.

Work Inspected By

Certificate No.

Date

**Pratt & Whitney Aircraft
Of Canada Ltd.**
Box 10, Longueuil, Quebec,
Canada J4K4X9

BOOK PAGE

27

Permanent Engine Record

**Pratt & Whitney Canada**

Une societe de United Technologies/A United Technologies Company

Pratt & Whitney Canada Corp.

1000, Marie-Victorine

Longueuil, Quebec, Canada, J4G 1A1

Turbofan Engine Calibration Run Data Sheet

P&WC 9936 (1999-10)

Date	24-Oct-08	A/C Reg. No.	N318DN	Engine S/N.	PCE-77129	Engine Position	E2**R
Engine TTSN.	8149.9	Wind Dir./Velo.	300@4	Press. Alt.	530	Engine Model	JT15D-1A
OAT (Deg. C)	6	Theta	0.9688	Root Theta	0.9843	D	8.8066

Max N1 for Ambient conditions per A/C Flight Manuals (N1 %):

96.1

Observed Engine Parameter (A/C Indicator)	Sync. off / Bleed off/Anti-ice off						Ground Idle
	Normal Take-off	Take-off - 2%	Take-off - 4%	Take off - 6%	Take-off - 10%		
N1 (%)	96.1	94.1	92.1	90.1	86.1		32.4
N2(%)	93.1	93.1	92	90	89		49
ITT (Deg. C)	640	620	610	580	550		380
Fuel Flow (pph)	1190	1100	1050	990	880		180
Oil Press (psia)	78	78	78	78	78		68
Oil Temp. (deg. F)	69	73	78	78	78		78

Corrected Engine Parameters Calculation

N1 (%)	97.6	95.6	93.6	91.5	87.5		32.9
N2(%)	94.6	94.6	93.5	91.4	90.4		49.8
T45 or T5 (Deg. C)	669	649	638	608	577		401

Run Down Time

N1 : (seconds)	90		N2: (seconds)	60	
----------------	----	--	---------------	----	--

Rev. 4, BB. Patel, July. 14, 2003



Pratt & Whitney Canada

Une société de United Technologies/A United Technologies Company

Turbofan Engine Installation Calibration and Performance Check Curves, Corrected N1 vs. N2 and N1 vs. T4.5

1000, Marie-Victorin

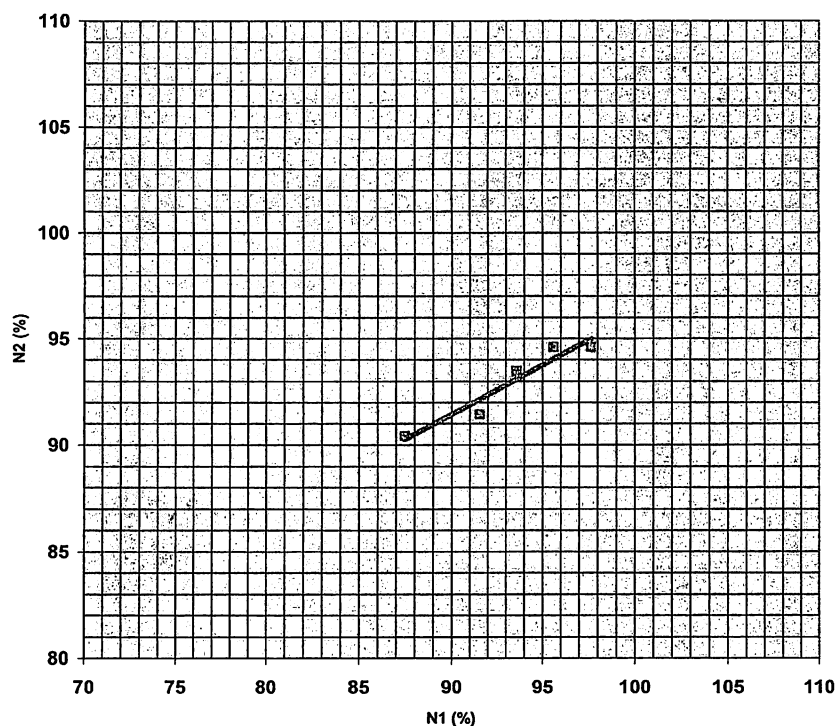
Longueuil, Quebec

Canada, J4G 1A1

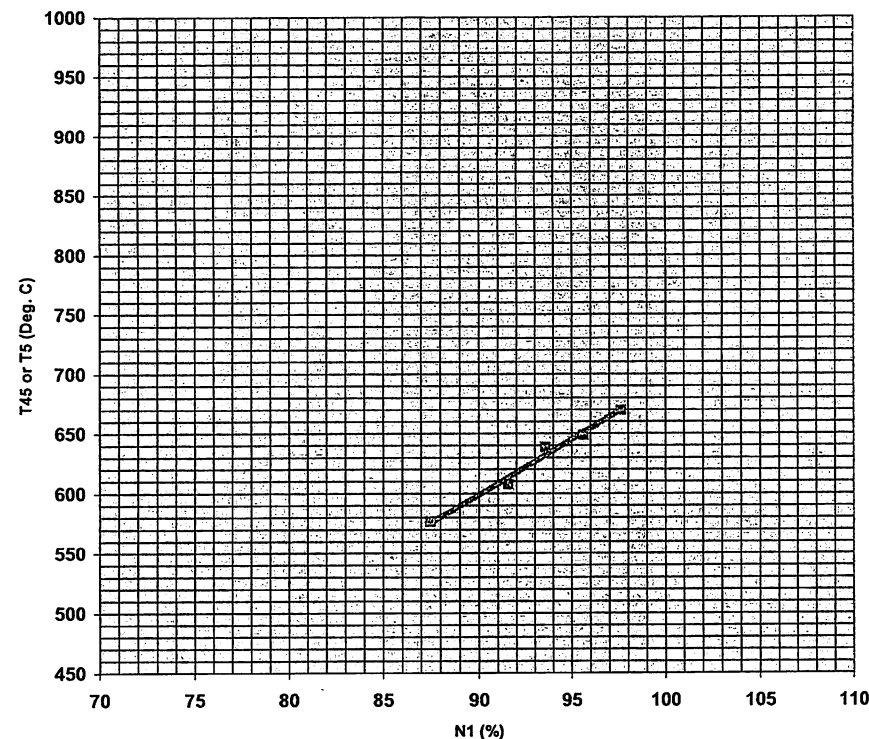
P&WC 9935 (1999-10)

Date: 24-Oct-08 A/C Reg. No.: N318DN Engine S/N: PCE-77129 Engine Position: E2MR

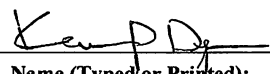
Engine Total Time since New: 8149.9 Engine Total time Since Ovhl: 1185.9 Engine Model JT15D-1A



□ Final Cal. ▲ Initial Cal. — Max Limit — Final Cal. — Initial Cal.



□ Final Cal. ▲ Initial Cal. — Linear (Max Limit) — Linear (Final Cal.) — Linear (Initial Cal.)

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 154806	
4. Organization Name and Address: PRATT & WHITNEY ENGINE SERVICES, INC. 1525 MIDWAY PARK RD BRIDGEPORT, WV 26330						5. Sales Order/Contract/Invoice Number: 154806	
6. Item:		7. Description:		8. Part Number:		9. Eligibility: *	
ONE		ENGINE, TURBOFAN JT15D-1A		3018700		N/A	
10. Quantity:		11. Serial/Batch Number:		12. Status/Work:			
ONE		PCE-77129		REPAIRED			
13. Remarks: TTSN: 8149.9 TCSN: 5825 TTSO: 1185.9 TCSO: 924 THIS ENGINE HAS BEEN INSPECTED AND REPAIRED FOR HIGH TURBINE BLADE DISTRESS IN ACCORDANCE WITH P&WC OVERHAUL MANUAL P/N 3017543, REV 26, DATED 13 MAY 2005, AND APPROVED DOCUMENTATION AND/OR ENGINEERING DOCUMENTATION ACCEPTABLE TO THE ADMINISTRATOR. AN H.S.I. WAS ACCOMPLISHED IN ACCORDANCE WITH P&WC MAINTENANCE MANUAL P/N 3017542, REV 38, DATED 08 AUG 2008. THE ENGINE TEST CERTIFICATE, LIFE LIMITED PARTS LOG, STATUS OF AIRWORTHINESS DIRECTIVES, LIST OF SERVICE BULLETINS INCORPORATED, LIST OF PARTS REPLACED, AND ENGINE SHIPPING CHECK LIST ARE ATTACHED TO THE LOGBOOK. PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS REPAIR STATION UNDER THE ABOVE SALES ORDER NUMBER.							
14. Certifies 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 13.				19. ☒ 14 CFR 43.9 Return to Service ☐ 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.:	
						LM1R301K	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):	
				KEVIN P. DYER, AUTHORIZED INSPECTOR		SEPTEMBER 26, 2008	
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.							

PRATT & WHITNEY ENGINE SERVICES, INC.
JT15D LIFE LIMITED PARTS LOG
INSPECTION RECORD

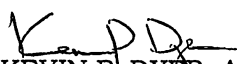
☐ OVERHAUL ☒ REPAIR ☒ H.S.I.

SALES ORDER	SERIAL NUMBER	ENGINE MODEL	CUSTOMER
154806	PCE-77129	JT15D-1A	Cessna Citation Service Center

REFERENCE: SB 7002 REV 40	TTSN	TCSN	TTSO	TCSO
	8149.9	5825	1185.9	924

PART NAME	P/N	S/N	TSN	CSN	REMAINING CYCLES	MAXIMUM CYCLES
LOW COMPRESSOR HUB	N/D	-----	-----	-----	-----	-----
CENTRIFUGAL IMPELLER	3032070	2B706	3678.9	3491	4909	8400
LOW TURBINE ROTOR DISK (1 ST)	3023411	A002ARP6	-0.0-	-0-	14000	14000
LOW TURBINE ROTOR DISK (2 ND)	3022212	7C013	8149.9	5825	8175	14000
LOW TURBINE ROTOR DISK (3 RD)	3036113	7C994	8149.9	5825	8175	14000
HIGH TURBINE BLADES	3070381-01	-----	-0.0-	-----	-----	NO LIFE LIMIT

REMARKS:

 
KEVIN P. DYER, AUTHORIZED INSPECTOR

DATE: SEPTEMBER 26, 2008

N/D: NOT DISASSEMBLED N/A: NOT APPLICABLE

NOTE: Cycle life remaining is based I/A/W Service Bulletin 7002 as referenced above.

Service Centre - PL81 - WV
FAA ARS, No. LM1R301K

Pratt & Whitney Engine Service Inc.
1525 Midway Park Road
Bridgeport, West Virginia
United States, 26330
FAA ARS, No. LM1R301K

Status of Airworthiness Directives for This Shop Visit

Sales Order: 154806
Description: NON-MODULAR MODULE
Model: JT15D-1A
Serial Number: 77129

Customer: Cessna Citation Service Center
Print Date: 26-SEP-2008
Page: 001 of 001

Document No.	Revision No.	Status
Description		
AWD CF-2003-17 000	00	Embodied
BORESCOPE INSPECTION OF IMPELLER		
AWD CF-80-26 000	01	Embodied
BEVEL GEAR FATIGUE FAILURE		
AWD CF-87-05 000	01	Embodied
FAN BLADE ROOT		
AWD CF-91-18 002	00	Embodied
HIGH PRESSURE TUR BLADE BOROSCOPE INSP.		
AWD CF-91-28 000	00	Embodied
HIGH PRESSURE TUR BLADES		
AWD CF-91-37 001	01	Embodied
EMERGENCY FUEL SHUTOFF LINKAGE. PART A		
AWD CF-91-37 002	01	Embodied
EMERGENCY FUEL SHUTOFF LINKAGE. PART B		
AWD CF-91-37 003	01	Embodied
EMERGENCY FUEL SHUTOFF LINKAGE. PART C		
FAA 2004-04-09 000	00	Embodied
IMPELLER BORESCOPE INSPECTION		
FAA 87-10-01 000	00	Embodied
FAN BLADE MACHINING STRIATIONS		
FAA 93-18-08 000	00	Embodied
HIGH PRESSURE TURBINE ASSEMBLY		

I hereby certify that the above airworthiness directives with status "EMBODIED" have been incorporated or found embodied in this engine as per the manufacturer's recommendations.

Authorized Inspector: _____



Service Centre - PL81 - WV
FAA ARS, No. LM1R301K

Pratt & Whitney Engine Service Inc.
1525 Midway Park Road
Bridgeport, West Virginia
United States, 26330
FAA ARS, No. LM1R301K

List of Service Bulletins Incorporated This Visit

Sales Order: 154806
Module Name: NON-MODULAR MODULE
Model: JT15D-1A
Serial Number: 77129

Customer: Cessna Citation Service Center
Print Date: 26-SEP-2008
Page: 001 of 001

Document No.	Revision #	Class	Description
SB 7321 000	02	6	2ND STAGE TURB. STATOR - REPL. OF
SB 7426 000	02	8	LT STATOR INTRO./MODIF. OF
SB 7531 000	01	7	T6 IMMERSION THERMOCOUPLE
SB 7604 000	02	4	NEW HIGH TURBINE BLADES - INTRODUCTION O

I hereby certify that the above modifications have been incorporated in this
engine as per the manufacturer's recommendations.

Authorized Inspector: Ken P. De





Liste des pièces remplacées List of Parts Replaced

Page 1 De 2
Of

Dossier qualité - Quality Record

P&WC JR3_6934_E [6934] (2004-10)

Date 2008.09.26

N° de série Serial No.	Module	Modèle Model	Bulletin de vente Sales Order No.	Client Customer
77129	NM	JT15D-1A	154806	Cessna Citation Service Center

N° de la pièce Part No.	Désignation de la pièce Part Description	Qté Qty	Non Fact. Not Chrg.	Sub. S. Flag
EXCHANGE				
3019390	SPACER-IMPELLER CLEARANCE	1		
3021156	ADAPTER ASSY-FUEL MANIFOLD	11		
3021157	ADAPTER ASSY-FUEL MANIFOLD INLET	1		
3031463	DUCT-COMB CHMB EXIT,SMALL,ASYO	1		
3039063	STATOR	1		
3041219	LINER-COMBUSTION CHAMBER,ASSY OF	1		
NEW				
3013832	BOLT-MACH,,250-28UNJFX.700,SLAB	1		
16993	COVER-PLAIN,4 HOLE	1		
3019012	PIN-GRVD,HDLS,,374X5.900	2		
3019360	PIN-SUPPORT COMB.CHAMBER LINER	2		
3020703	BLADE-Turbine, 3rd stage, low pressure	25		
3022202	BLADE-LOW TURBINE ROTOR	61		
3023411	DISC-HIGH TURBINE ROTOR	1		
3024315	COVER-PLAIN,3.400 BOLT CIR,4 HOLES	2		
3029070	SEAL-AIR,NO.3 1/2 BEARING, REAR	1		
3030835CL10	SHROUD SEGMENT-HIGH TURBINE ROTOR	7		
3030835CL12	SHROUD SEGMENT-HIGH TURBINE ROTOR	8		
3032650	BEARING (IC) - #3 1/2	1		
3041592CL3900	TURBINE STATOR,LOW ASYO.	1		
3041661	TURBINE STATOR-HIGH,ASSY OF	1		
3070381-01	BLADE-HIGH TURBINE ROTOR	71		
3111843-01	FILTER ELEMENT - OIL	1		
3117494-01	SEAL RING METAL	1		
3118727-01	NUT-PLAIN ROUND	1		
119093-01	WIRING HARNESS-T6 THERMOCOUPLE	1		
3120096-01	THERMOCOUPLE-IMMERSION T6	1		
3120096-01	THERMOCOUPLE-IMMERSION T6	4		
AK-1A1STVANE	KIT - 1ST STAGE VANE	1		

Liste des pièces remplacées List of Parts Replaced

 Page 2 De 2
Of 2

Dossier qualité - Quality Record

P&WC JR3_6934_E [6934] (2004-10)

Date 2008.09.26

N° de série Serial No.	Module	Modèle Model	Bulletin de vente Sales Order No.	Client Customer
77129	NM	JT15D-1A	154806	Cessna Citation Service Center

N° de la pièce Part No.	Désignation de la pièce Part Description	Qté Qty	Non Fact. Not Chrg.	Sub. S. Flag
AK-1ABRGFS	KIT - FANSHAFT	1		
AK-1ACCLINER	KIT - CC LINER	1		
AK-1ACHVALVE	KIT - CHECK VALVE	1		
AK-1AEXT1	KIT - EXT1 (BYPASS DUCT)	1		
AK-1AEXT2	KIT - EXT2	1		
AK-1AEXT3	KIT - EXT3	1		
AK-1AGG1	KIT - GAS GEN 1	1		
AK-1AGG2	KIT - GAS GEN 2	1		
AK-1AHS11	KIT - HOT SECTION 1 (#4 BRG AREA)	1		
AK-1AHS12	KIT - HOT SECTION 2	1		
AK-1AHTROTOR	KIT - HTROTOR ASSY	1		
AK-1ALTROTOR	KIT - LTROTOR ASSY	1		
AK-1AMAINENG1	KIT - MAIN ENG 1	1		
AK-1AMAINENG2	KIT - MAIN ENG 2	1		
AK-1APKG1	KIT - PACKING 1	1		
AK-1APKG2	KIT - PACKING 2	1		
AK-1APKG3	KIT - PACKING 3	1		
AK-1ASPK	KIT - SHIPPING	1		
MS9389-82	PIN-STRAIGHT,HDLS,.1875 X.500	1		
PK3002	ENVELOPE-ENGINE PROTECTIVE	1		
PK423	DESSICANT-8 UNIT,BAGGED	12		
PK576	INDICATOR-HUMIDITY (SCD)	1		
ST3387-01	COVER-PLAIN,5.000 BOLT CIRCLE,4	1		

J 2008-09-26 10:35:50 R3 2008.09.26 10:35:37 PR1 400 PW41603 /opt/uniq/queue/tmp/plt81am0926103549B

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PRATT & WHITNEY ENGINE SERVICES, INC.
JT15D ACCESSORY CHECK LIST

CUSTOMER	SALES ORDER	SERIAL NUMBER	ENGINE MODEL
Cessna Citation Service Center	154806	PCE-77129	JT15D-1A

SERIALIZED ACCESSORIES	MFG PART NUMBER	SERIAL NUMBER	REMARKS
FUEL CONTROL/ HMU	3244763-2	A60171	-----
FUEL PUMP	025493-402-05	1812	-----
MOTIVE FLOW VALVE	N/D	-----	-----
FUEL TO OIL COOLER	UA530768-4	3838	-----
FUEL SURGE ACCUMULATOR	N/A	-----	-----
FLOW DIVIDER	25607-2	1681	-----
IGNITION EXCITER	N/L	-----	-----
IGNITION EXCITER	N/A	-----	-----
SCHEDULE MODULATOR	N/L	-----	-----
BLEED VALVE ACTUATOR	N/A	-----	-----
SOLENOID VALVE ANTI-ICE	KW15632	3340	-----
BLEED VALVE CONTROL	N/A	-----	-----
ELECTRIC ENGINE CONTROL	N/A	-----	-----
FAULT MONITOR & RECORDER	N/A	-----	-----
ROSEMONT SENSOR	N/A	-----	-----
OIL PUMP ASSY	3017774	PWC9107946	-----
OIL LEVEL INDICATOR	N/A	-----	-----
REMOTE OIL LEVEL INDICATOR	N/A	-----	-----
N1 SPEED SENSOR	N/A	-----	-----
N2 SPEED SENSORS	N/A	-----	-----
ELECTRICAL WIRING HARNESS	N/A	-----	-----

LOGBOOK: CANADIAN	COLOR: YELLOW	QUANTITY: TWO
CONTAINER TYPE: CARDBOARD	SERIAL NUMBER: N/A	CONDITION: SERVICEABLE

 KEVIN P. DYER, AUTHORIZED INSPECTOR	DATE: SEPTEMBER 26, 2008
--	--------------------------

N/R = NOT RECEIVED N/A = NOT APPLICABLE S/L = SHIP LESS TSI = TIME SINCE INSPECTED

PRATT & WHITNEY ENGINE SERVICES, INC.
JT15D ENGINE TEST CERTIFICATE

SALES ORDER 154806	ENGINE MODEL JT15D-1A	MAINTENANCE CATEGORY REPAIR
ENGINE SERIAL NUMBER PCE-77129		
TURBINE VANE CLASS 2ND STAGE VANE: 39.01		
CORRECTED PERFORMANCE RATING: TAKEOFF THRUST LB: 2200 N1/RTHO: 15190 N2/RTHO: 30852 SFC @ 2200 LBS: 0.537 T5/THO °R (REF T5 °C): 1687°R (655°C)		
TRIM PLATE INFORMATION DATA PLATE SPEED N1 %: 94.9 DATA PLATE SPEED N2 %: 94.2 T5 TRIM RESISTANCE OHMS: 20.3 NOZZLE CLASS: AA		
TRIM WEIGHT HT FRONT: FE5 FF12 FF13 HT REAR: RE5 RF12 RF13 FAN FRONT: NIL		
THIS ENGINE HAS BEEN TESTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.		
DATE SEPTEMBER 26, 2008	APPROVED INSPECTOR   KEVIN P. DYER, AUTHORIZED INSPECTOR	

Maintenance Section Record

MTR ID: 64.169.3

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. _____

☒ Eng. #2
Serial No. PCE-77129

☐ 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
501-0184	0575	N318DN	Oct-30-2008	SAT	8288.4	5905	8501.5	8149.9	6460	5825			

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
43693001	1 1	ENGINE, JT15D-1A	E2**R	3018700		PCE-77129		R			

Comments: INSTALLED JT15D-1A ENGINE S/N PCE-77129 REPAIRED BY PRATT & WHITNEY SERVICES, INC. FAA #LM1R301K WITH TTSN: 8149.9 TCSN: 5825, SERVICED WITH BP 2380 OIL AND PERFORMED REQUIRED ENGINE OPS & LEAK CHECKS.

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 SAN ANTONIO CITATION SERVICE CENTER	Certified Repair Station Number CNQ5918C	Work Order No. 1-18357
Work Performed By SAN ANTONIO CITATION SERVICE CENTER	Certificate No. CNQ5918C	Date Oct-30-2008
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 approved for return to service		
Work Inspected by PATRICK WRIGHT <i>[Signature]</i>	Certificate No. CNQ5918C	Date Oct-30-2008
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page
8	

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



PLEASE PRINT

AFTER FORM COMPLETION: 1. TEAR OFF TAB. 2. WHITE ORIGINAL STAYS IN LOG BOOK. 3. PINK COPY REMOVE & RETURN TO CESCOM. 4. YELLOW COPY CUSTOMER WORK COPY. DO NOT FILE IN LOG BOOK.

CC603



Maintenance Transaction Record

MTR ID # 1673962

Page 1 of 1

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

☐ Airframe
Entries☐ Eng. #1
Serial No. _____☒ Eng. #2
Serial No. 77129☐ 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 History

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 TI Cycles	Engine 2 TI Cycles	APU Hrs	APU Events	Freon Hrs
501-0184	0575	N318DN	24-Aug-2010	SMF	8507.2	6036		8369		5959			0

Component Changes: Inspection, Repair, Replacement, etc. (Note: This section is for component changes only.)

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
SL500-72-10 72SL-10 : E2**R	1 3	RIGHT ENGINE TRANSMITTAL OF PRATT & WHITNEY CANADA (P&WC) SERVICE BULLETIN JT15D-72-7590, TURBOFAN ENGINE BORESCOPE INSPECTION OF IMPELLER REAR FACE AND COMMERCIAL SUPPORT PROGRAM NOTIFICATION (CSPN) C03001R1 SERVICE LETTER	RIGHT ENGINE							

Comments: Complied with SL500-72-10 by research of the engine records. Found that the installed impeller (p/n 3032070) is not effected by P&W SB # 7590 per paragraph 1 (A) of service bulletin.

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 - Replaced/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility	SACRAMENTO CITATION SERVICE CENTER	Certified Repair Station Number	CNQ4918C	Work Order No.	422548
Work Performed By	SACRAMENTO CITATION SERVICE CENTER	Certificate No.	CNQ4918C	Date	24-Aug-2010
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 APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	MARSHALL L. BAUGUSS	Certificate No.	CNQ4918C	Date	24-Aug-2010
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Section	Page
9	

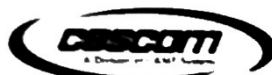


Maintenance Transaction Record

MTR ID # 1666726

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


☐ Airframe
Entries

☐ Eng. #1
Serial No.

☒ Eng. #2
Serial No. 77129

☐ APU
Serial No.

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

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
501-0184	0575	N318DN	24-Aug-2010	SMF	8507.2	6036	8702.3	8369	6591	5959			

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 051208 : E2**R	1 2	NO. 2 ENGINE - MINOR INSPECTION								
Comments: Complied with the above inspection IAW Chapter 5 of the Cessna 500/501 M/M and the Pratt & Whitney JT15D-1A M/M per FAR 91.409 paragraph f(3).										
792010 051004 : E2**R	2 2	NO. 2 ENGINE - CHANGE OIL AND CLEAN FILTER								
Comments: Complied with the above inspection IAW Chapter 5 of the Cessna 500/501 M/M and the Pratt & Whitney JT15D-1A M/M per FAR 91.409 paragraph f(3).										

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 - Replaced/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility	SACRAMENTO CITATION SERVICE CENTER	Certified Repair Station Number	CNQ4918C	Work Order No.	422548
Work Performed By	SACRAMENTO CITATION SERVICE CENTER	Certificate No.	CNQ4918C	Date	24-Aug-2010
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 APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	MARSHALL L. BAUGUSS	Certificate No.	CNQ4918C	Date	24-Aug-2010
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Section	Page
8	



Maintenance Transaction Record

MTR ID # 1605797

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



☐ Airframe
Entries

☐ Eng. #1
Serial No. _____

☒ Eng. #2
Serial No. 77129

☐ APU
Serial No. _____

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

For A/C Serial #, Unit #, and Date

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	Fuel Hrs
501-0184	0575	N318DN	17-May-2011	SMF	8569	6072		8430.8		5995			0

Component Change, Inspection, or Repair (Check One) (If more than one, list in comments)

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
751002	1 1	NO 2 ENGINE - BA SOL VALVE-STATORS		KW15632	751002	5024	UN	O		
751002	E2**R	Comments: Removed part no. KW15632 Removed serial no: 3340, due to faulty operation. Installed valve overhauled by Pratt & Whitney Canada Authorization No. AMO 20-00. Operational and leak check normal. Work performed IAW P&W JT15D-1A M/M ch. 75-00-02.								

Trans. Type: 1 - Component, 2 - Inspection, 3 - BB, 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 - Replaced/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility	SACRAMENTO CITATION SERVICE CENTER	Certified Repair Station Number	CNQ4918C	Work Order No.	423721
Work Performed By	SACRAMENTO CITATION SERVICE CENTER	Certificate No.	CNQ4918C	Date	17-May-2011
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 APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	JOE JOHNSON	Certificate No.	CNQ4918C	Date	17-May-2011
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Section	Page
8	



Maintenance Transaction Record

MTR ID # 2037380

Page 1 of 1

☐ Airframe
Entries☐ Eng. #1
Serial No. _____☒ Eng. #2
Serial No. 77129☐ APU
Serial No. _____

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

CAMP Systems International
8200 E. 34TH STREET
BUILDING 1800, SUITE 1807
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
501-0164	0575	N318DN	21-Aug-2012	SMF	8748.8	6187	8961.9	8610.6	6742	6110			

Component Changes, Inspection, 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. 2 ENGINE - MINOR INSPECTION								
		Comments: Complied with the engine minor inspection IAW Chapter 5 of the Pratt & Whitney JT15D-1A M/M per FAR 91.409 paragraph f(3).								
741030	2 2	NO. 2 ENGINE - VISUALLY INSPECT LOWER IGNITION EXCITER	LOWER	10-381550-22		99409776				
		Comments: Complied with the exciter inspection IAW Chapter 5 of the Pratt & Whitney JT15D-1A M/M per FAR 91.409 paragraph f(3).								
741030	3 2	NO. 2 ENGINE - VISUALLY INSPECT UPPER IGNITION EXCITER	UPPER							
		Comments: This inspection is not applicable to this aircraft because the right engine is only equipped with one ignition exciter.								
2037380004	4 -	VISUALLY INSPECT IGNITION EXCITER								
		Comments: This entry is to update Cesscom. This inspection is not applicable to this aircraft because the right engine is only equipped with one ignition exciter. Cesscom, please remove item code 741030 for the "E2 Upper" position from reports.								

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

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

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

Repair Facility	SACRAMENTO CITATION SERVICE CENTER	Certified Repair Station Number	CNQ4918C	Work Order No.	426192
Work Performed By	SACRAMENTO CITATION SERVICE CENTER	Certificate No.	CNQ4918C	Date	21-Aug-2012
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 APPROVED FOR RETURN TO SERVICE.					
Work Inspected By	MARSHALL L. BAUGUSS	Certificate No.	CNQ4918C	Date	21-Aug-2012
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Section	Page
8	



Maintenance Transaction Record

MTR ID # 2136554

Page 1 of 1

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

CAMP Systems International
6200 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. 77129

☐ APU
Serial No. _____

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
501-0184	0575	N318DN	05-Apr-2013	SMF	8846.5	6247		6708.3		6169			

Component Changes: Inspection, Service, or Bulletin (check with appropriate authority for details)

Item	Transaction No. Type	Item Name	Position	Part Number / Alternate Part	Mod Level	Part Serial	Removal Reason	Installed Part Status TSN/TSC/TSR	Material Costs	Man Hours
750010	1 1	NO. 2 ENGINE - LOW PRESSURE COMPRESSOR ANTI-ICING SOLENOID VALVE		KW15632 3018531		4052	UN	O		
Comments: Removed part no. 3244758-1 Removed serial no. 5024, due to inoperative. Installed valve overhauled by Kansas Aviation of Independence Certificate No. VKUR823L. Leak & operational check normal. Work performed IAW the Pratt & Whitney M/M chapter 75-00-02.										
2136554002	2 -	IGNITION EXCITER	E2	10-381550-22		NNA09480024	N	S		
Comments: Entry made to update Cescom on ignition exciter positions.										

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 - Replaced/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility: SACRAMENTO CITATION SERVICE CENTER
Certified Repair Station Number: CNQ4918C
Work Order No.: 427469
Date: 05-Apr-2013
Work Performed By: SACRAMENTO CITATION SERVICE CENTER
Certificate No.: CNQ4918C
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 APPROVED FOR RETURN TO SERVICE.
Work Inspected By: YOICHI HARA
Certificate No.: CNQ4918C
Date: 05-Apr-2013
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

Section	Page
8	



Maintenance Transaction Record

MTR ID # 2338779

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


☐ Airframe
Entries

☐ Eng. #1
Serial No.

☒ Eng. #2
Serial No. 77129

☐ APU
Serial No.

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

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 TI Cycles	Engine 2 TI Cycles	APU Hrs	APU Events	Free Hrs
501-0184	0575	N318DN	02-Oct-2014	SMF	9002.9	6339		8864.9		6262			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Are Completed

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	Min Hours
057110	1 2	NO 2 ENGINE - MINOR INSPECTION								
		Comments: Complied with the minor inspection of the right engine IAW the P&W JT15D-1A M/M Chapter 72-00-00.								
742010	2 1	NO 2 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE246-4		NSN	WO	N 0 MTH 0 HRS		
		Comments: Removed part no. FHE246-4 Removed serial no: -NSN-, due to wear. Installed new ignitor IAW the P&W JT15D-1A M/M Chapter 74-20-02. Operational check normal.								
742020	3 1	NO 2 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE246-4		NSN	WO	N 0 MTH 0 HRS		
		Comments: Removed part no. FHE246-4 Removed serial no: NSN, due to wear. Installed new ignitor IAW the P&W JT15D-1A M/M Chapter 74-20-02. Operational check normal.								
2338779	4 -	OIL LEAK ANALYSIS								
		Comments: Noted oil leak of one drop per three minutes at the AGB drain which is within the allowable limit of 4 drops per minute. No further action required per the maintenance manual at this time.								
		Work performed IAW Pratt & Whitney Canada JT15D M/M 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 - Replaced/Rebuilt, S - Serviceable, O - Overhauled

Repair Facility SACRAMENTO CITATION SERVICE CENTER Certified Repair Station Number CNQ4918C Work Order No. 6501

Work Performed By SACRAMENTO CITATION SERVICE CENTER Certificate No. CNQ4918C Date 02-Oct-2014

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the ☒ Federal Aviation Administration and ☐ Other (Specify) _____

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

Work Inspected By GARY PARK Certificate No. CNQ4918C Date 02-Oct-2014

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

Section	Page
8	



Maintenance Transaction Record

MTR ID # 2641643

Page 1 of 1

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

☐ Airframe
Entries☐ Eng. #1
Serial No. _____☒ Eng. #2
Serial No. 77129☐ 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
501-0184	0575	N318DN	15-Nov-2016	SMF	9133.9	6407		8988.1		6330			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives (if any)

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 2 ENGINE - MINOR INSPECTION								
		Comments: Complied with engine minor inspection IAW PWC JT15D-1A MM Chapter 72-00-00. operational & leak check normal.								
741030	2 2	NO 2 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	10-381550-22				NNA09480024		
		Comments: Complied with Engine Exciter Inspection IAW the Pratt & Whitney PW15D-1A MM chapter 72-00-00.								
742020	3 1	NO 2 ENGINE - INBOARD IGNITER PLUG	INBOARD	FHE246-4		NSN	WO	N 0 MTH 0 HRS		
		Comments: Removed part no: FHE246-4 Removed serial no: NSN, due to worn. Installed new igniter IAW the P&WC JT15D-1A M/M chapter 74-20-02, operational check normal.								
742010	4 1	NO 2 ENGINE - OUTBOARD IGNITER PLUG	OUTBOARD	FHE246-4		NSN	WO	N 0 MTH 0 HRS		
		Comments: Removed part no: FHE246-4 Removed serial no: NSN, due to worn. Installed new igniter IAW the P&WC JT15D-1A M/M chapter 74-20-02, operational check normal.								

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	SACRAMENTO CITATION SERVICE CENTER	Certified Repair Station Number	CNQ4918C	Work Order No.	46098
Work Performed By	SACRAMENTO CITATION SERVICE CENTER		Certificate No.	CNQ4918C	Date 15-Nov-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 SANKO	Certificate No.	CNQ4918C	Date	15-Nov-2016
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Section	Page
8	

Maintenance Transaction Record

CAMP MTR ID # 2952646

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

☐ Airframe
Entries

☐ Eng.#1
Serial No.

☒ Eng.#2
Serial No. 77129

☐ 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
501-0184	0575	N318DN	07-Jan-2019	SMF	9335.5	6512		9190.4		6436			

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 2 ENGINE - MINOR INSPECTION									
Comments: Complied with Engine Minor Inspection IAW the Pratt & Whitney JT15D-1A MM chapter 72-00-00.												
741030	2	2	NO 2 ENGINE - VISUAL INSPECT LOWER IGNITION EXCITER	LOWER	10-381550-22		NNA09480024					
Comments: Complied with Ignition Exciter Inspection IAW the Pratt & Whitney JT15D-1A MM chapter 72-00-00.												
751002	3	1	NO 2 ENGINE - BA SOL VALVE-STATORS		KW15632		1198	CO	S			
Comments: Removed part no: KW15632 Removed serial no: 5024.due to customer convenience. Installed serviceable unit from #1 position IAW the Pratt & Whitney JT15D-1 Manual P/N 3017542 Rev 44.1, operational check normal.												

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 - Rebuilt, S - Serviceable, O - Overhauled, T - Tested, M - Modified, I - Inspected

Repair Facility	TEXTRON AVIATION SERVICE	Certified Repair Station Number	CNQ4918C	Work Order No.	93425
Work Performed By	TEXTRON AVIATION SERVICE	Certificate No.	CNQ4918C	Date	07-Jan-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	PATRICK POGGEMOELLER	Certificate No.	CNQ4918C	Date	07-Jan-2019
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Section	Page
8	

Beechcraft



Textron

TEXTRON AVIATION

TEXTRON AVIATION

Maintenance Transaction Record
This Maintenance Report is To Be Used Solely For

✓ Engine #2 Serial No

77129

MTR ID # 8051267

Page 1 of 1

Textron Aviation
One Cessna Blvd.
Wichita, KS 67215 U.S.A.
Phone: +1(316)517-0000

Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Eng. 1 Ttl Hrs	Eng. 2 Ttl Hrs	Eng. 1 Ttl Cycles	Eng. 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
501-0184	184	N318DN	07-Aug-20	SMF	9454.6	6580	9661.1	9309.5	7136	6504			

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

Task/Item	Transaction No	Type	Item Name	Position	Part Number/ Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR
742010	1	1	IGNITER PLUG	E2 OUTBOARD	FHE246-4		-NSN-	UN	N	
Comment: Removed part no FHE246-4 Removed serial no -NSN- due to being worn. Installed new unit IAW the Pratt and Whitney JTSD-1A M/M chapter 74-20-01, operational check normal										
742020	2	1	IGNITER PLUG	E2 INBOARD	FHE246-4		-NSN-	UN	N	
Comment: Removed part no FHE246-4 Removed serial no -NSN- due to being worn. Installed new unit IAW the Pratt and Whitney JTSD-1A M/M chapter 74-20-01, operational check normal										

Trans Type: 1-Component, 2-Inspection, 3-SB, 4-AD, 5-Misc. Removal Reason: WFO-Worn to Limits, EC-Scheduled, LRU-Unscheduled, CO-Component, R-Other (specify in comments)

Installed Part Status: N-New, R-Repaired/Rebuilt, S-Servicable, O-Overhauled, T-Tested, M-Modified, H-Held

Repair Facility Textron Aviation Service - SMFCertified Repair Station Number CNQ4918CWork Order # 135735Work Performed By Textron Aviation Service - SMFCertificate No. CNQ4918CDate 07-Aug-20

I certify that the above maintenance & information contained in the listed work order was performed in accordance with the current regulations of the

☒ Federal Aviation Administration

☐ Other (specify) _____

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

Work Inspected By ASWIN LAKHANCertificate No. CNQ4918CDate 07-Aug-20

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

Section	Page
8	

GO BIG TURBINE LEASING LLC.
2347 DELRAY RD
HANGAR C3
THOMASTON, GA. 30286

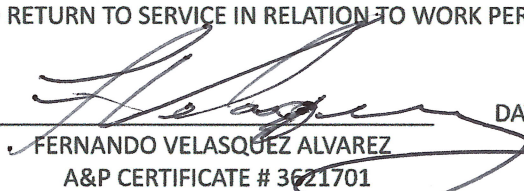
ENGINE MODEL	ENGINE SERIAL NUMBER	T.S.N.	C.S.N.	TSOH	TSHSI.
JT15D-1A	PC-E-77129	9,406.20	6,554	2,421.70	0.00

MAINTENANCE DISCREPANCY AND CORRECTIVE ACTION

- DISASSEMBLED ENGINE IAW PRATT & WHITNEY M.M. 3017542 REV. 55 TO PERFORM HOT SECTION INSPECTION.
- PERFORMED ROUTINE AND PERIODIC INSPECTIONS IAW PRATT & WHITNEY M.M. 3017542 REV. 55 CHAP. 72-00.
- INSPECTED HIGH TURBINE DISK ASSY. **P/N 3023411 S/N A002ARP6 IAW PRATT & WHITNEY M.M. 3017542 REV. 55.** NO DEFECTS NOTED.
- INSPECTED HIGH TURBINE BLADES **P/N 3070381-01 NSN** IAW M.M. IAW PRATT & WHITNEY M.M. 3017542 REV. 55 NO DEFECTS NOTED.
- INSPECTED LARGE EXIT DUCT ASSY **P/N 3100294-01 S/N N/L..** IAW PRATT & WHITNEY M.M. IAW PRATT & WHITNEY M.M. 3017542 REV. 55. NO DEFECTS NOTED.
- INSPECTED SMALL EXIT DUCT **P/N 3026616 S/N N/L** IAW PRATT & WHITNEY M.M. IAW PRATT & WHITNEY M.M. 3017542 REV. 55, NO DEFECTS NOTED.
- INSPECTED HT STATOR **P/N 3041661. CLASS 12.25** IAW PRATT & WHITNEY M.M. IAW PRATT & WHITNEY M.M. 3017542 REV. 55, NO DEFECT NOTED.
- REMOVED AND REPLACED HT SEAL RING **P/N 3117494-01 NSN.** WITH A NEW UNIT DUE TO WEAR. INSPECTED AND REPLACED IAW PRATT & WHITNEY M.M. 3017542 REV. 55.
- INSPECTED STATIONARY AIR SEAL **P/N 3030596 S/N N/L.** IAW PRATT & WHITNEY M.M. 3017542 REV. 55, .NO DEFECTS.
- INSPECTED COMBUSTION LINER ASSY, **P/N. 329994 S/N NSN** IAW PRATT & WHITNEY M.M. 3017542 REV. 55 NO DEFECT NOTED.
- INSPECTED LPT SUPPORT **P/N 3100412-01 S/N N/L** IAW PRATT & WHITNEY M.M. IAW PRATT & WHITNEY M.M. 3017542 REV. 55, NO DEFECTS NOTED.
- INSPECTED LPT STATOR **P/N N/L S/N N/L** IAW PRATT & WHITNEY M.M. 3017542 REV. 55, NO DEFECT NOTED.
- INSPECTED LPT ROTOR ASSY. **2ND STG ROTOR P/N 3022212 S/N 7C013, 3RD STG ROTOR P/N 3021213 S/N 7C994** IAW PRATT & WHITNEY M.M. 3017542 REV.55, NO DEFECT NOTED.
- INSPECTED EXHAUST DUCT ASSY **P/N. N/L S/N N/L** IAW PRATT & WHITNEY M.M. 3017542 REV. 55, NO DEFECTS.
- INSPECTED 6 EACH T6 PROBES **P/N 3102096-01** IAW PRATT & WHITNEY M.M. 3017542 REV. 55, NO DEFECT NOTED.
- INSPECTED 12 EACH FUEL NOZZLE AND MANIFOLD ASSEMBLIES **P/N 3100712-01,** CLEAN, FLOWED, AND CALIBRATED SPRAY PATTERN IAW PRATT & WHITNEY M.M. 3017542 REV. 55.
- RE-ASSEMBLED ENGINE IAW PRATT & WHITNEY M.M. 3017542 REV. 55.
- PERFORMED GROUND POWER RUNS IAW PRATT & WHITNEY M.M. 3017542 REV. 55. AND CESSNA CITATION 500/501 OPERATING INSTRUCTIONS. N1 OF THE DAY 93.6%. ALL PARAMETERS WITHIN LIMITS.

THIS ENGINE HAS BEEN INSPECTED IAW PRATT & WHITNEY M.M. 3017542 REV. 55 AND CURRENT F.A.A. REGULATIONS. ALL INFORMATION PERTAINING IS ON FILE UNDER W/O GBTL2025035. THIS ENGINE IS CONSIDERED AIRWORTHY AND APPROVED TO RETURN TO SERVICE IN RELATION TO WORK PERFORMED UNDER THIS WORK ORDER.

SIGNED.


FERNANDO VELASQUEZ ALVAREZ
A&P CERTIFICATE # 3621701

DATE.

09-10-2025

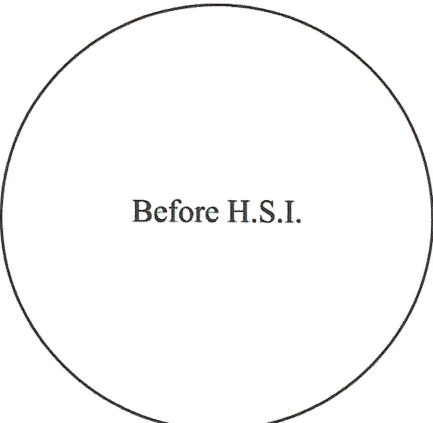
2347 DELRAY RD. HANGAR C3, THOMASTON. GA .30286

GO BIG TURBINE LEASING LLC
JT15D-1/4 HOT SECTION INSPECTION RECORD

W/O _GBT2025035_ ENG. MODEL JT15D-1A_ SERIAL NO. _PC-E-77129_ DATE _09-10-2025_

TSN _6,108.00_ CSN _6,228_ TSO _2,609.00_ T.S.H.S.I. 0.00_

JT15D-1/4 MAINTENANCE MANUAL 3017542 REV. 55

ITEM NO.	OPERATION	MECH	INSP
1	Perform preliminary ground performance run and record parameters	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
2	Qualify engine for H.S.I.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	A. Review history of L.C.F. components	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	B. Review Service Bulletins & Ad Note Compliance	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	C. Remove & inspect main oil filter	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	D. Inspect Fan for damage & blade tip rub	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	E. Borescope Booster and Impeller for damage	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	F. Inspect Gas Generator Case Seam Welds for Cracks	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
3	A. Using silver pencil, Colorbrite 2101, mark position of interstage sealing ring joint relative to high turbine shroud support, and low turbine stator support assembly for reference at assembly.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
	B. After removal of LT stator support, check HT blade tip clearance.		
	____.024____ Average tip clearance S/N A002ARP6____ H.T. Disk		
	 Before H.S.I.		
ISSUED: 10/2019	SUPERSEDES: 02/2016	PLANNER: _____ APPROVED: F. VELASQUEZ _____	FORM NO. 001

GO BIG TURBINE LEASING LLC
JT15D-1/4 HOT SECTION INSPECTION RECORD

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ITEM NO.	OPERATION	MECH	INSP
4	Inspect hot section & related components in accordance with maintenance manual requirements.		
	A. Exhaust duct and No. 4 bearing housing assembly	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	B. Low pressure turbine rotor balancing assembly	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	C. Low pressure turbine stator support assembly	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	D. Low pressure turbine stator assembly	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	E. Seal ring Pre-SB7432 / Post-SB7432	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	F. Combustion chamber liner	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	G. Combustion Liner Support Pins (6 ea.)	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	H. Fuel nozzles	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	I. High pressure turbine assembly	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	J. No. 3 bearing rear rotor air seal	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	K. High pressure turbine shroud segments	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	L. High pressure turbine air seal and baffle	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	M. No. 3 bearing stator air seal	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	N. High pressure turbine stator assembly	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	O. Small exit duct	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	P. Large exit duct	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	Q. Large Exit Duct Support	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	R. Forward Inner Bypass Duct	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
		M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	S. ITT System Check	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	T. T6 Probes Continuity and Resistance Checks (6 each)	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	U. T6 Harness Continuity Resistance Checks	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
	V. Rear Inner Bypass Duct	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170

GO BIG TURBINE LEASING LLC
JT15D-1/4 HOT SECTION INSPECTION RECORD

ITEM #	OPERATION INSTALLATION LARGE/SMALL EXIT DUCTS / HT DISK	MECH	INSP
6	Ensure Gas Generator Case is free of debris Align holes in support with holes in diffuser pipe lugs and install support. Insert 11 bolts, with bolt heads located in-board. Assemble nuts onto bolts and tighten nuts sufficiently to allow movement of support. Measure and adjust height of support in relationship to flange of Gas Generator Case. Tighten and torque nuts 27-30 lb. ". Install outer (large) exit duct by rotating 45 degrees to ensure GG case lugs are engaged. Align bolt holes.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 362170
7	Index, mark and assemble. Use 0.001 feeler gauge to check gap @ each of the 14 lugs. Hand file (only) lugs of HT Stator as necessary to achieve free float of HT Stator as installed to Inner Exit Duct. Ensure Seal Ring is installed and retained with "Pressure Side" facing forward. H.T. STATOR P/N__ 3041661__S/N____N/L__38.65__N/L Ensure "X" marks are vibro peened.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 36217
8	Install 14 each segments, ensure minimum 0.011 gap between adjacent segments. Assemble shroud support ring with 6 retaining plates and tubular rivets. Use riveter PWC 31071. Verify proper "float" of HT Stator/Inner Exit Duct Assembly	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 36217
9	Install high turbine air seal in GG case with "X" mark @ 12 o'clock position. Ensure stator and inner exit duct are properly engaged. Install retaining ring and secure with 24 each bolts. Torque to 36-40 lb"	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
10	Install high turbine baffle. Torque 6 each bolts to 24-36 lb" and lock keywashers.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

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JT15D-1/4 HOT SECTION INSPECTION RECORD

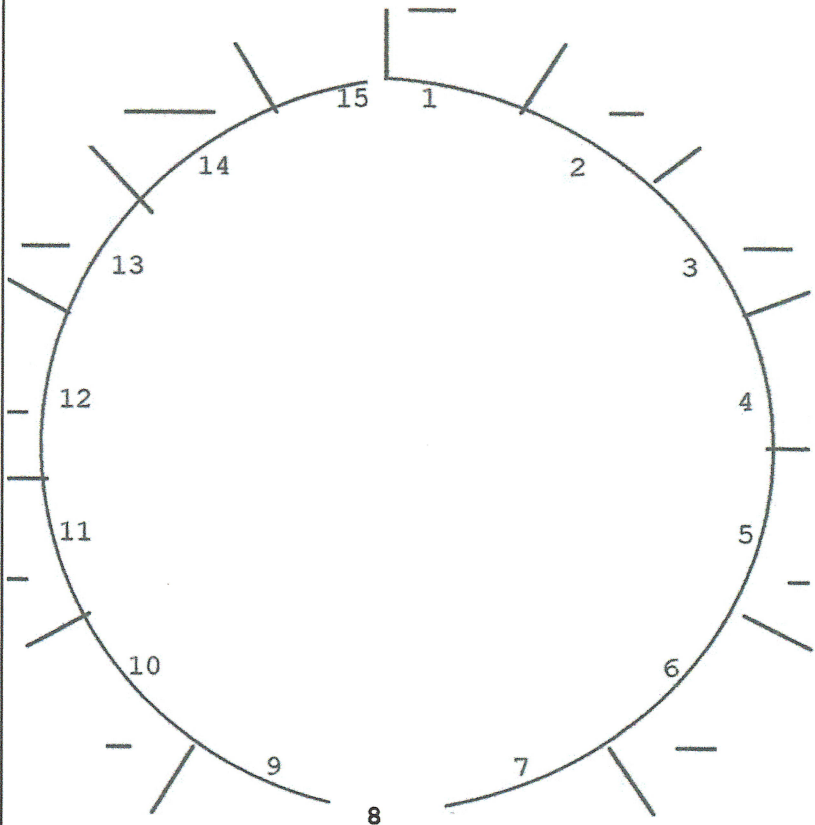
ITEM#	OPERATION INSTALLATION HT DISK	MECH	INSP
11	Remove blanking cap from high turbine shaft. Measure dimension "A" from front face of HT Rotor from end face of installed #3 Air Seal to front Face of HT Disk. Record Dimension A: _____ NA _____ Measure dimension "B" from rear face of #3 Bearing Inner Race to rear edge of High Turbine Stator. Record Dimension B: _____ NA _____ Spacer thickness is obtained by formula as follows: 1. Dim. B + 0.095 ± 0.005 - Dim A = C Adjust by grinding spacer to required "C" dimension parallel within .002" SPACER THICKNESS (C) : ____N/R	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
12	PERFORM GRINDING OF SEGMENTS ONLY IF CLEARANCES NOT PREVIOUSLY ESTABLISHED Center high turbine stator assembly using 4 spacers PWC 31084, radius gauge PWC 31083 and adapter PWC 31285. Locate radius gage tip @ forward ID of retaining ring.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
13.	Remove radius gage, set zero on master base. Reinstall and determine radius to the center and butt ends of each segment. Set high turbine tip clearance: New shroud segments minimum 0.028 maximum 0.033" Engine run segments minimum 0.020 maximum 0.033" Maximum clearance variation on an assembly 0.005"	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
14.	Install grinding fixture PWC 31068 with abrasive wheel type A541BF, on adapter PWC 31285. Use feeler gage between adapter rod and shroud segment to obtain required clearance by grinding.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
15	Remove grinding equipment, spacers and masking. Clean and install interstage sealing ring with identification marking forward.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
16	Ensure high turbine front and rear mating faces are clean and free of burrs. High Turbine Disk P/N 3023411 S/N 9E627	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
17	Heat High Turbine Disk Assembly to 450 degrees (F). Removing blanking cap, install positioning spacer and high turbine. Tighten nut to 350 ft.lb.to seat turbine. Do Not Exceed 4200 lb. in. Allow to cool to room temperature.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

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JT15D-1/4 HOT SECTION INSPECTION RECORD

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ITEM#	OPERATION HIGH TURBINE INSTALLATION CONTINUED	MECH	INSP
18	Use Ring PWC 31650, socket PWC 31035, torque wrench PWC 31050, adapter PWC 31065 and extension bar PWC 31078. Remove Locknut from 1. Lubricate shaft and nut with anti-seize PWC06-009 or equivalent and torque to 4200 lb" 2. Remove and re-lubricate with oil. Torque to 300 lb". 3. Tighten to rotate 20 to 24 deg, NOTE TORQUE: _____ 270 FT LBS_ 4. Loosen and repeat step 2 and 3. 5. If new torque is more than recorded torque, repeat step 4 until lower torque within 10% of former torque is achieved. 6. Final Torque: 300 FT LBS	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

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JT15D-1/4 HOT SECTION INSPECTION RECORD

19	Check radial tip clearances Crimp Lockwasher upon satisfactory Clearances New Shroud segments: Minimum 0.022" Maximum 0.029" Engine run shroud segments: Minimum 0.020" Maximum 0.029"  AVERAGE CLEARANCE <u>.022 MILS</u>	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
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ITEM#	OPERATION LOW TURBINE STATOR SUPPORT, LOW TURBINE INSTALLATION	MECH.	INSP.
20	Ensure seal ring is installed in high turbine stator and fuel manifold tubes are un-damaged. Install clips PWC 31195 over seal ring.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
21	Assemble Combustion Liner to Low Turbine Support: Position Combustion Liner to Low Turbine Support with two Igniter housings at 5 and 7 O'clock Positions. Install 6 Support Pins with New Keywashers into bosses on LPT Support through bosses on Combustion Liner. Torque Support Pins to 225-300 "lb. Ensure proper fit of Fuel Nozzle Housings to Fuel Nozzle Sheaths. STAKE KEYWASHERS	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

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JT15D-1/4 HOT SECTION INSPECTION RECORD

22	Install low turbine stator support assembly with shut off valve @ 6 o'clock position. Install bolts and applicable washers. CAUTION: AT HSI: FOR POST-SB7263 AND POST-SB7324 ENGINES ONLY, REINSTALL THE SERVICEABLE FLANGE C BOLTS REMOVED DURING HSI DISASSEMBLY. FOR ALL OTHER ENGINES, INSTALL ONLY NEW FLANGE C BOLTS AT SCHEDULED HSI. REMOVE CLIPS Torque to 46-52 lb" Ensure Seal Ring Fit and Clearance Not To Exceed 0.002"	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
23	Install inner bypass duct with scallop @ 6 o'clock position at flange C. Visually check for even gap all around between fuel manifold tubes and inner bypass duct. Torque to 46-52 lb"	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
24	Verify that No. 3½ bearing oil strainer is installed in rear bore of LP compressor shaft. If oil strainer fell out during LPT rotor removal, check that strainer is free from damage, then reinstall as follows: (a) JT15D-5 (Pre-SB7452) engines: using mechanical fingers, install strainer with strainer larger diameter to rear of engine. (b) JT15D-5 (Post-SB7452) and JT15D-5R engines: using mechanical fingers, install strainer with open, internally threaded end of strainer to rear of engine. NOTE: Do not use pusher (PWC52357) to install strainer.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
25	Install second stage stator with "X" mark @ 12 o'clock position. Ensure no axial gap exists between the support lugs and 3 location faces of low turbine support assembly.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
26	Install puller CPWA 31017 so "X" marked lug on 3rd stage stator vane ring is @ 12 o'clock position. Release clamp on stand and remove blanking plug. Apply heat to inner spline. Align LP Compressor Index Mark and LP Turbine shaft Index Mark is positioned in the 12:00 position and install LP Turbine to engine. Ensure #3 LP Turbine Stator Lugs engage to LP Turbine Support Slots. Remove puller.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

COMBUSTION LINER, LOW TURBINE SUPPORT/ROTOR, FUEL MANIFOLD			
ITEM#	OPERATION LOW TURBINE STATOR SUPPORT, LOW TURBINE INSTALLATION CONT.	MECH	INSP
27	Optional: Use Pusher PWC52661, Hydraulic Cylinder PWC89837, Hydraulic Pump PWC32507 to Pre-load LP Turbine Assembly. Apply load of 2900-3250 psi. to seat LP Turbine Assembly. Remove Tooling after LP Turbine Shaft has cooled to room temperature. Install Shaft Locking Bolt. Do not lubricate Locking Bolt Threads		<u>EVE</u>

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JT15D-1/4 HOT SECTION INSPECTION RECORD

	1. Mark new cup washer in line with one of the anti-rotation tangs and at corresponding location at rear of LP Turbine shaft. 2. Install new cup washer and bolt, ensure tangs on cup washer are correctly engaged to slots in shaft and the cup washer is properly seated. 3. <u>If optional Hydraulic Pusher was used to seat LP Turbine</u>, install adapter PWC31046, socket PWC31016, extension bar PWC31077, and wrench PWC31050. (or optional tools adapter PWC31546, socket PWC31016, extension bar PWC31077, and wrench PWC41050). 4. Apply torque to locking bolt of 350 to 400 lb." 5. <u>If optional Hydraulic Pusher was NOT used to seat LP Turbine</u>, install adapter PWC31046, socket PWC31016, extension bar PWC31077, and wrench PWC31050. (or optional tools adapter PWC31546, socket PWC31016, extension bar PWC31077, and wrench PWC41050). Apply first torque 700 to 750 lb.". Loosen torque to zero. Apply <u>final torque</u> of 350 to 400 lb. ". <i>If marks are not aligned, repeat above steps with new keywasher</i>	M. TELLEZ A&P 2855009	F. VELASQUEZ. A&P 3621701
28	Remove fixture and crimp LP Turbine Bolt cup washer using Crimper PWC31374.	M. TELLEZ A&P 2855009	F. VELASQUEZ. A&P 3621701
29	Install new packings to oil transfer tube. Lubricate installed packings and install oil transfer tube and secure with retaining ring with index marks on tube and ring aligned with index marks on end of LP Turbine Shaft.	M. TELLEZ A&P 2855009	F. VELASQUEZ. A&P 3621701

GO BIG TURBINE LEASING LLC
JT15D-1/4 HOT SECTION INSPECTION RECORD

#4 BEARING HOUSING, COVER AND SHIELD			
ITEM#	OPERATION EXHAUST CASE ASSEMBLY	MECH	INSP
30	IF CARBON SEAL REMOVED: Heat Bearing Housing Cover to 350 degrees for 10 minutes minimum. Install heated Housing in Base (PWC31572). Using Drift PWC31563 install Carbon Seal ensuring "This Side Up" are visible after seating carbon seal into Housing Bore. Install Retaining Ring. Pre-S/B 7251 Engines Only: Secure #4 bearing outer race in housing. Torque 4 each bolts to 24-36 lb" and lock keywashers. Record #4 bearing outer race S/N: ___ NOT DIASSEMBLED ___ Post-S/B 7251 Engines Only: Heat Bearing Housing to 300 degrees for 15 minutes, Freeze Bearing Sleeve to -40 degrees. Torque 3 bolts to 36" lbs. Lock Keywashers. Record #4 bearing outer race S/N: ___ NOT DIASSEMBLED ___ Remove Housing from oven and Sleeve from freezer. Align scallop on Sleeve with oil inlet port and install sleeve in Housing using drift PWC52112. Install packing inside Bearing Sleeve. Assemble cover, with new gasket and torque 12 each bolts to 48-52 lb" and lock keywashers.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
31	TO BE COMPLETED ONLY IF ASSOCIATED PARTS HAVE BEEN CHANGED Take dimension A. Record Dimension A: ___ N/A ___ Temporarily install #4 Bearing Housing/Cover Assembly to Exhaust Case with Actuating Rod installed to cover. Guide wire rope through exhaust duct strut @ 7 o'clock and position bearing housing on exhaust duct. Check dimension B. Record Dimension B: ___ N/A ___ Calculate spacer thickness I/A/W OHM 72-50-06, sub assembly page 514 (A+0.068) - B = spacer thickness ACTUAL: ___ NOT DIASSEMBLED ___	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
32	Remove #4 Bearing Housing/Cover from Exhaust Case 1. Remove Actuating Rod from Cover. 2. Install spacer of required thickness to Actuating Rod and packing or seal (as applicable). Post S/B 7309 / 7384 engines Install new seal to seal guide PWC60769-1. Push Seal into actuating rod with seal pusher PWC60769-2. Remove Pusher and Guide, install Re-sizer PWC60769-3 over installed seal. Remove Re-sizer after 5-minutes. Install rod to cover. 3. Pre S/B 7309-7384 Engines install new packing onto rod and install rod to cover.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
33	Complete assembly of fuel shut off (overspeed control) mechanism. Use locating gage plate PWC 31161 to give clearance of 1.117-1.127. Torque jam nut to 65-85 lb" and lockwire.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

GO BIG TURBINE LEASING LLC
JT15D-1/4 HOT SECTION INSPECTION RECORD

34	Temporarily install heat shield and sufficient spacers to ensure initial clearance between heat shield and #4 bearing housing stator air seal. Check at various points to obtain interference. Limits: .035"-.005" tight. ACTUAL: _____ .005 TIGHT _____ Pre S/B 7022 use maximum of 3 spacers. Post S/B 7022 use maximum of 4 spacers.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
35	Install #4 bearing housing in exhaust duct. REF: S/B 7193 Install Run-out Gauge PWC52160 on Exhaust Duct. Verify concentricity at #4 Bearing Air Seal to be within 0.005". Reposition #4 Bearing Housing in Exhaust Duct to achieve run-out if necessary. Repeat installation of heat shield if required. Torque 6 sleeve spacers and slab bolt 42-44 lb. " If applicable, lock 6-each keywashers.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

JT15D-1/4 HOT SECTION INSPECTION RECORD

ITEM#	OPERATION EXHAUST CASE INSTALLATION	MECH	INSP
36	Pass fuel shut off (overspeed control) system wire rope through bracket Secure bracket to 3 bosses @ 7 o'clock position on exhaust duct position on exhaust duct assembly. Torque 3 each bolts to 24-36 lb" and lockwire.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
37	Assemble ball end of wire rope in bell crank and secure with headless pin and 2 cotter pins, or bolt and nut as applicable. Assemble shoulder pin in tripper. Complete connection of linkage after exhaust duct installation.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
38	CAUTION: DO NOT DRAW EXHAUST DUCT FLANGE INTO POSITION BY FORCE OR BOLTS EXCERSIZE CARE WHEN INSTALLING EXHAUST DUCT NOT TO DAMAGE CARBON SEAL Ensure proper location of heat shield in exhaust duct. Assemble exhaust duct on LT support with holes for oil transfer tubes @ 4 and 8 o'clock position. Obtain face to face contact without force. Install bolts, clamps and brackets. Location E torque 21 each bolts to 32-36 lb". S/B 7182 46-50 lb". Location A torque 16 each nuts to 65-85 lb" and cotter pin. Location B torque 8 each bolts with spacers to 32-36 lb". Location C torque 4 each nuts to 32-36 lb".	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
39	REF: S/B 7099. Install thermocouples, torque bolts to 24-36 lb" and lockwire. Install T6 harness. Tighten yellow lead (smaller) screws to 10-12 lb" and red lead (larger) screws to 20-22 lb". Install clamps as specified. Torque nuts to 32-36 lb".	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
40	Connect Overspeed Control Linkage and Safety Verify Dimension to be 0.012"-0.016"	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
41	Install rear engine mount. Use close tolerance bolts and torque nuts to 125-170 lb". Cotter pin nuts. Install Aircraft Rear Mount Bolt, Nut, and Washer if applicable. Torque and Secure with Cotter Pin per Aircraft Service Manual.	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
42	Install Igniter Plugs and Igniter Leads and Lockwire Install #4 Oil Pressure and Scavenge tubes with new packings installed Assemble Primary and Secondary Fuel Pressure Tubes with new packings installed. Lockwire	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
43	Install Aircraft Tailpipe/Afterbody and Secure Aircraft Throttle Linkage in accordance with applicable Aircraft Service Manual	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701
44	Perform Post-H.S.I. Performance Run and Leak Checks	M. TELLEZ A&P 2855009	F.VELASQUEZ. A&P 3621701

Pratt & Whitney Canada - Engine Limited Life Parts Data

N-number: N318DN

Model: JT15D-1A S/No. 77129

AFTT: 9,522.3 LDG: 6,626

TSN: 9,406.2 CSN: 6,554

TSO: 2,421.7 CSO: 1,653

TSHI: 0

#2 RH Engine

Part Name	Part No.	Serial No.	TSN	CSN	Life Available	Max Life
Low Pressure Compressor Hub	3018018	6C748	8288 hours	5905 cycles	10116 cycles	27500 cycles
Centrifugal Impeller	3032070	2B706	8288 hours	5905 cycles	4188 cycles	8400 cycles
High Stage Turbine Disk	3023411	A002ARP6	8288 hours	5905 cycles	13279 cycles	14000 cycles
Low Stage Turbine Disk 2	3022212	7C013	8288 hours	5905 cycles	7453 cycles	14000 cycles
Low Stage Turbine Disk 3	3036113	7C994	8288 hours	5905 cycles	7453 cycles	14000 cycles
High Stage Turbine Blades	O/C 10/30/2008		8288 hours			