

# **N318DN**

## **1981 Citation I/SP**

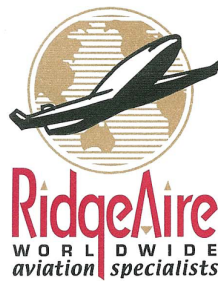
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# **Engine #1**

# **PCE-76919**

## **Overhaul & HSI Records**

**Aircraft S/N: 501-0184**



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

# MAINTENANCE RECORD

1 ENG. MODEL NO. \_\_\_\_\_ ENG. SERIAL NO. \_\_\_\_\_ ENG. # 1  ENG. # 2  (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	MOD LEVEL	INSTALLED SERIAL NUMBER	REMOVAL REASON	INSTALL-ED PART STATUS	TBO ENTER IF CHANGE DESIRED	HOURS	CYCLES	MATERIAL COSTS	MAN HOURS
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2 DO NOT  
 3 WRITE  
 4 IN THIS  
 5 SPACE  
 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 76919
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
6853.3	5282	-0-	-0-

Overhaul     Repair

Engine has been Inspected, Repaired, and Overhauled in accordance with JT15D-1A Overhaul Manual P/N 3017543 Rev.14 and Cessna Triple Crown Program "PLATINUM" PWV-JT15D-1A-78.

Ref: N1 & Nozzle Class	95.64/ A	(%/CL)
Ref: N2	94.40	(%)
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. 4754308      Date 26 March, 1999      Approved Inspector E. J. Wright PWV 5  
 PWV-3096 (MAY 98)      E.I. Wright Q.A. Coordinator

THIS S

6 REPAIR FACILITY

WORK PERFORMED BY

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 \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

HOURS      CYCLES  
 TIME SINCE NEW OR O/H      TOTAL CYCLES SINCE NEW  
 1 - REPAIRED    0 - OVERHAULED    S - SERVICABLE  
 NUMBERS, ETC.

Pratt & Whitney Aircraft Ltd.

Montreal, Quebec,  
 Canada J4K4X9

7

BOOK	PAGE
	01

Permanent Engine Record

1. UNITED STATES		2. <b>FAA FORM 8130-3</b> <b>AIRWORTHINESS APPROVAL TAG</b>  US Department of Transportation Federal Aviation Administration			3. SYSTEM TRACKING REF. NO.  4754308		
4. ORGANIZATION: PRATT&WHITNEY ENGINE SERVICES, INC. 1525 MIDWAY PARK RD BRIDGEPORT, WV 26330				5. W/O, CONTRACT OR INVOICE  4754308			CERTIFICATE NO: LM1R301K
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 76919	NEWLY OVERHAULED	
13. REMARKS: TTSN: 6853.3 TCSN: 5282 TTSO: -0- TCSO: -0-  THE ENGINE IDENTIFIED HEREON WAS OVERHAULED, REPAIRED, AND INSPECTED IN ACCORDANCE WITH JT15D-1A OVERHAUL MANUAL P/N 3017543 REV.14. 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 <input type="checkbox"/> Newly Overhauled <input type="checkbox"/>  Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness regulation.  <u>NOTE:</u> In case of parts to be exported, the special requirements of the importing country have been met.			19. Return to Service in Accordance with FAR 43.9  Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.				
15. Signature		16. FAA Authorization No:		20. Authorized Signature:  <i>E.L. Wright</i>		21. Certificate Number:  LM1R301K	
17. Name (type or print):		18. Date:		22. Name (type or print):  E.L.WRIGHT Q.A. COORDINATOR		23. Date:  26-Mar-99	


\*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 &amp; WHITNEY ENGINE SERVICES, INC.

## JT15D ENGINE TEST CERTIFICATE

WORK ORDER NUMBER	ENGINE MODEL	MAINTENANCE CATAGORY
4754308	JT15D-1A	OVERHAUL
ENGINE SERIAL NUMBERS PC-E 76919		
TURBINE VANE CLASSES 2ND STAGE VANE: 40.00		
CORRECTED PERFORMANCE RATING: TAKEOFF THRUST LB: 2200 N1/RTHO: 15303 N2/RTHO: 30925 SFC @ 2200 LBS. : .531 T5/THO °R (REF T5 °C): 1681°R ( 656°C) DELTA PSD: 5.13		
TRIM PLATE INFORMATION DATA PLATE SPEED N1 %: 95.64 DATA PLATE SPEED N2 %: 94.40 T5 TRIM RESISTANCE OHMS: 21.2 NOZZLE CLASS: A		
THIS ENGINE HAS BEEN TESTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.		
DATE 26 Mar. 1999	APPROVED INSPECTOR <i>E. L. Wright</i>  E.L. WRIGHT, QA COORDINATOR	




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

DATE	WORK ORDER NUMBER	ENGINE SERIAL NUMBER			CUSTOMER			
26 Mar. 1999	4754308	PC-E 76919			CESSNA - SMF			
REFERENCE:		ENGINE STATUS			SALES ORDER			
S/B 7002 REV 33		OVERHAUL			9V7543			
ENGINE	TTSN 6853.3	TCSN 5282	TTSO -0-	TCSO -0-				
PART NAME	P/N	S/N	TSN	CSN	REMAINING		MAX LIFE	
					TIME	CYCLE	TIME	CYCLE
COMP HUB 1	3018018	0882	6853.3	10564	XXXX	16936	XXXX	27500
COMP HUB	N/A	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
IMPELLER	3020365	B0176	6853.3	5282	XXXX	3118	XXXX	8400
HIGH TURB	3023411	9E627	2856.3	2873	XXXX	11127	XXXX	14000
LP TURB 1	3022212	3393	6853.3	5282	XXXX	8718	XXXX	14000
LP TURB 2	3021213	3322	6853.3	5282	XXXX	8718	XXXX	14000
HT BLADES	3028601	XXXX	-0-	-0-	3500	XXXX	3500	XXXX
REMARKS:								
COMPLETED BY: <i>E.L. Wright</i> (PWV 5) E.L. WRIGHT, QA COORDINATOR					DATE: 26 Mar. 1999			

PRATT & WHITNEY ENGINE SERVICES, INC.


JT15D LOW COMPRESSOR BLADE HISTORY CARD

7337  
ial Number Record

Date: 26 March, 1999		Model: JT15D-1A		S/N: PC-E 76919	
Work Order: 4754308			Insp. Stamp: 		
T.S.N.: 6853.3		C.S.N.: 5282		T.S.O.: -0-	
				C.S.O.: -0-	
Part Number	Serial Number	Part Number	Serial Number	Part Number	Serial Number
3019801	MT9502304	3019801	PV9904854		
3019801	PV9904838	3019801	PV9904832		
3019801	PV9904835	3019801	PV9904852		
3019801	PV9904833	3019801	PV9904842		
3019801	PV9904843	3019801	PV9904834		
3019801	PV9904845	3019801	MT9502313		
3019801	PV9904850	3019801	PV9904836		
3019801	PV9903401	3019801	PV9904837		
3019801	PV9904831	3019801	PV9904851		
3019801	PV9904840	3019801	PV9904846		
3019801	PV9903403	3019801	PV9904829		
3019801	PV9904830	3019801	PV9904844		
3019801	PV9903404	3019801	PV9904841		
3019801	PV9904848	3019801	PV9904839		

PRATT WHITNEY ENGINE SERVICES, INC.

ENGINE MODIFICATION LOG


WORK ORDER NUMBER	ENGINE MODEL	SERIAL NUMBER
4754308	JT15D-1A	PC-E 76919
<p>THE FOLLOWING SERVICE BULLETINS WERE FOUND PREVIOUSLY EMBODIED:</p> <p>7027, 7093, 7101, 7103, 7106, 7107, 7111, 7112, 7113, 7114, 7115, 7116, 7117, 7119, 7121, 7123, 7124, 7125, 7128, 7130, 7132, 7137, 7143, 7146, 7147, 7149, 7150, 7154, 7161, 7163, 7168, 7181, 7182, 7192, 7193, 7197, 7199, 7206, 7207, 7212, 7215, 7226, 7233, 7238, 7252, 7253, 7257, 7269, 7288, 7292, 7307, 7310, 7322, 7432</p>		
<p>THE FOLLOWING SERVICE BULLETINS WERE EMBODIED THIS VISIT:</p> <p>7002, 7138, 7165, 7172, 7183, 7203, 7244, 7317, 7318, 7321, 7324, 7328, 7329, 7337, 7338, 7340, 7347, 7376, 7384, 7392, 7394, 7395, 7408, 7409, 7421, 7428, 7522, 7541, 7549</p>		
<p>THE FOLLOWING AIRWORTHINESS DIRECTIVES WERE CHECKED FOR PREVIOUS COMPLIANCE OR COMPLIED WITH THIS VISIT:</p> <p>AD(CF-80-26R1), AD(CF-87-05R1), AD(CF-91-18), AD(CF-91-28), AD(CF-91-37R1) PART A&amp;C, AD(74-26-05), AD(87-10-01), AD(93-18-08)</p>		
<p>I HEREBY CERTIFY THAT THE ABOVE MODIFICATIONS HAVE BEEN INCORPORATED IN THIS ENGINE PER THE MANUFACTURER'S RECOMMENDATIONS.</p>		
DATE	APPROVED INSPECTOR	
26 Mar. 1999	<p><i>E.L. Wright</i>  E.L. WRIGHT, QA COORDINATOR</p>	

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

WORK ORDER NUMBER	ENGINE MODEL	SERIAL NUMBER
4754308	JT15D-1A	PC-E 76919

QTY	PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION
NEW PARTS			1	3117494-01	SEAL RING
1	3015031	SLEEVE	1	3118294-01	HT SHAFT
5	3017244	PLAIN BEARING	3	3119425-01	BEARING
1	3022494	AIR SEAL	2	3119442-01	CHECK VALVE
71	3028601	HT BLADE	18	3119625-01	CLAMP
1	3028789	STRAINER	1	3119630-01	RING
1	3029071	AIR SEAL	1	3119762-01	HOUSING
1	3029076	AIR SEAL	1	3120096-01	THERMOCOUPLE
1	3029280	PUMP HOUSING	EXCHANGE PARTS		
15	3030494	AIR SEAL	1	3041661	HT STATOR
2	3030595	IGNITER	12	3100713-01	FUEL NOZZLE
7	3030835CL12	SHROUD SEGMENT	USED SERVICEABLE PARTS		
5	3030835CL14	SHROUD SEGMENT	1	3017323	BEARING
3	3030835CL16	SHROUD SEGMENT	1	3019634	SHAFT
1	3030845	SEAL RING	5	3019801	LC BLADE
1	3036110	CARBON SEAL	1	3020349	GEAR
1	3036376	FILTER ELEMMENT	1	3020703	LT BLADE
5	3040676	SPACER	1	3020954	GEAR
18	3041668-01	DUCT	1	3022202	LT BLADE
1	3104389-01	TURBINE BOLT	1	3023411	HT DISK
5	3109307-01	DEFLECTOR STRIP	1	3029065	LARGE EXIT DUCT
1	3114529-01	BELLCRANK	1	3029083	BEARING
1	3117079-01	BRACKET	1	3029675	TUBE
5	3117271-01	SEAL HOUSING	1	3100596-01	SEAL
2	3117273-01	GROMMET HOUSING	1	3112999-01	BEARING

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
26 March, 1999	 E.L. WRIGHT, QA COORDINATOR



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

<b>JT15D SHIPPING CHECK LIST</b>			
CUSTOMER: CESSNA - SMF		SALES ORDER: 9V7543	
ENGINE MODEL	SERIAL NUMBER	BUILD SPEC	WORK ORDER
JT15D-1A	PC-E 76919	503	4754308

SERIALIZED ACCESSORIES	MFG. PART NUMBER	SERIAL NUMBER	REMARKS
FUEL CONTROL	3244763-2	A60315	TSO: -0-
FUEL PUMP	025493-402-05	1236	TSO: -0-
MOTIVE FLOW VALVE	2524995-1	A40315	TSO: -0-
FUEL TO OIL COOLER	UA530768-4	2420	TSO: -0-
FLOW DIVIDER	25607-1	0798	TSO: -0-
IGNITION EXCITER	10-381550-2	NN92137917C	TSO: -0-
IGNITION EXCITER	N/A		
SCHEDULE MODULATOR	3244758-1	PWC99A012	TSO: -0-
BLEED VALVE ACTUATOR	N/A		
SOLENOID VALVE ANTI-ICE	KW15632	3340	TSO: -0-
ELECTRIC ENGINE CONTROL	N/A		
BLEED VALVE CONTROL	N/A		
FAULT MONITOR & RECORDER	N/A		
<b>LOG BOOK</b>	<b>TYPE</b>	<b>COLOR</b>	<b>QUANTITY</b>
	P&WC	YELLOW	TWO

CONTAINER TYPE     CARDBOARD     SERIAL NUMBER     N/A    

CONDITION     SERVICEABLE    

INSPECTOR: *E.L. Wright*    
E.L. WRIGHT, QA COORDINATOR

DATE:     26 March, 1999    

N/R = NOT RECEIVED

N/A = NOT APPLICABLE

S/L = SHIP LESS



DallasAirmotive.

21625 N. Central Avenue / Suite 104 / Phoenix, AZ / 85024

**CERTIFICATE NO. YRR4491L**

MANUFACTURER PRATT & WHITNEY	UNIT NAME ENGINE	TYPE/MODEL JT15D-1A	SERIAL NUMBER PCE-76919
TSN 8661.7	TSO 1808.4	CSN 6555	CSO 1273

OVERHAUL

REPAIR

Complied with Hot Section Inspection. Re-installed removed components after inspection &/or repair. Average HT Blade Tip Clearance .025". Run-up and leak check performed within maintenance manual limits at this time. All work accomplished with reference to Pratt & Whitney manual p/n 3017542 Rev. 39, dated 9-Jan-2009, and other data and methods acceptable to the administrator. -----END-----

THIS ENGINE OR APPLIANCE HAS BEEN REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO. RPR20114

DATE: 23-Mar-2010 SIGNATURE: 

Dallas Airmotive, Inc., 21625 N. Central Avenue / Suite 104 / Phoenix, AZ / 85024 Certificate No. YRR4491L

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

RPR20114-2A



4. Organization Name and Address  
Dallas Airmotive, Inc.  
21625 N. Central Ave. Bldg. 2 Suite 104  
Phoenix, AZ 85024

Certificate Number: YRR4491L

5. Work Order/Contract/Invoice Number:

RPR20114

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	IE DUCT	3031463	N/A	1	0154	REPAIRED

13. Remarks TT: UNK TSO: UNK CSN: UNK CSO: UNK

DISASSEMBLED, CLEANED, VISUALLY INSPECTED. LAPPED SEALING SURFACES. RE-INSTALLED ORIGINAL 15ea SEGMENTS P/N 3030835, AND ADJUSTED FLOW CLASS HT STATOR P/N 3041661 S/N 1279 FLOW CLASS 12.24. RE-ASSEMBLED AND SKIM CUT AS REQUIRED. ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017542 REV. # 39 DATED 09-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----  
-----END-----

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

Date: 19 March 2010

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: <i>[Signature]</i>	21. Approval/Certificate No.: YRR4491L
17. Name (Typed or Printed):	18. Date (d/m/y):	22. Name (Typed or Printed): GARY J JOST	23. Date (d/m/y): 19 March 2010

### 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.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

RPR20114-1



4. Organization Name and Address  
Dallas Airmotive, Inc.  
21625 N. Central Ave. Bldg. 2 Suite 104  
Phoenix, AZ 85024

Certificate Number: YRR4491L

5. Work Order/Contract/Invoice  
Number:

RPR20114

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	HT DISK	3023411	N/A	1	9E627	REPAIRED

13. Remarks TT: 4664.7 TSO: 1808.4 CSN: 4146 CSO: 1273

DISASSEMBLED, CLEANED, VISUALLY INSPECTED. INSTALLED 71 EA. NEW H.T. BLADES P/N 3070381-01. SB 7317 & SB7604 COMPLIED WITH. TRUED AND BALANCED DISK ASSY. DISK O.D. = 11.932". ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017543 REV. # 27 DATED 30-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----END-----

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



Date: 9 March 2010

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.: YRR4491L
17. Name (Typed or Printed):	18. Date (d/m/y)	22. Name (Typed or Printed): GARY J JOST	23. Date (d/m/y): 9 March 2010


### User/Installer Responsibilities

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

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

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


1. Approving National Aviation Authority/Country: FAA/United States	<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIR WORTHINESS APPROVAL TAG	Form Tracking Number: RPR20114-2
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 <p><b>Dallas Airmotive</b> BBA Aviation</p>	4. Organization Name and Address Dallas Airmotive, Inc. 21625 N. Central Ave. Bldg. 2 Suite 104 Phoenix, AZ 85024  Certificate Number: YRR4491L	5. Work Order/Contract/Invoice Number:  RPR20114
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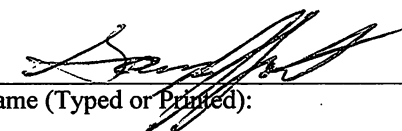
6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	IE DUCT	3031463	N/A	1	0154	REPAIRED

13. Remarks    TT: UNK    TSO: UNK    CSN: UNK    CSO: UNK

DISASSEMBLED, CLEANED, VISUALLY INSPECTED. LAPPED SEALING SURFACES. INSTALLED 15ea NEW SEGMENTS P/N 3030835, 1ea NEW SEAL RING P/N 3117494-01, 1ea OVERHAULED HT STATOR P/N 3041661 S/N 1279 FLOW CLASS 12.22. RE-ASSEMBLED AND PRE-GROUND I.D. TO 11.984". ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017542 REV. # 39 DATED 09-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----END-----

Details on file at this Repair Station under work order/s referenced in block 3 & 5 Inspector:  Date: 9 March 2010

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.: YRR4491L
17. Name (Typed or Printed):	18. Date (d/m/y):	22. Name (Typed or Printed): GARY J JOST	23. Date (d/m/y): 9 March 2010

**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.

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

1. Approving National  
Aviation Authority/Country,  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

Form Tracking Number:

RPR20114-3



4. Organization Name and Address  
Dallas Airmotive, Inc.  
21625 N. Central Ave. Bldg. 2 Suite 104  
Phoenix, AZ 85024

Certificate Number: YRR4491L

5. Work Order/Contract/Invoice  
Number:

RPR20114

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	FWD. BY-PASS DUCT	3020330	N/A	1	N/L	INSPECTED

13. Remarks TT: UNK TSO: UNK CSN: UNK CSO: UNK

VISUALLY INSPECTED AFTER CRACK WELD REPAIR. ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017542 REV. # 39 DATED 09-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----END-----

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



Date: 9 March 2010

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.:

YRR4491L

17. Name (Typed or Printed):

18. Date (d/m/y):

22. Name (Typed or Printed):

23. Date (d/m/y):

GARY J JOST

9 March 2010

### 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.



# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

RPR20114-4



4. Organization Name and Address  
Dallas Airmotive, Inc.  
21625 N. Central Ave. Bldg. 2 Suite 104  
Phoenix, AZ 85024

Certificate Number: YRR4491L

5. Work Order/Contract/Invoice  
Number:

RPR20114

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	LARGE EXIT DUCT	3031463	N/A	1	0154	INSPECTED

13. Remarks TT: UNK TSO: UNK CSN: UNK CSO: UNK

CLEANED, VISUALLY INSPECTED AND FOUND SERVICEABLE. ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017542 REV. # 39 DATED 09-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----END-----

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



Date: 9 March 2010

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 12

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.:

17. Name (Typed or Printed):

18. Date (d/m/y)

22. Name (Typed or Printed):

23. Date (d/m/y):

GARY J JOST

9 March 2010

### 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.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

RPR20114-5



4. Organization Name and Address  
Dallas Airmotive, Inc.  
21625 N. Central Ave. Bldg. 2 Suite 104  
Phoenix, AZ 85024

Certificate Number: YRR4491L

5. Work Order/Contract/Invoice  
Number:

RPR20114

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	L.T. STATOR	3048562	N/A	1	0046	REPAIRED

13. Remarks TT: UNK TSO: UNK CSN: UNK CSO: UNK

CLEANED, VISUALLY INSPECTED. REPLACED 7 EA. AIR SEALS WITH P/N 3030494 AND 1 EA. WASHER-SPRING P/N 3114786-01. RE-ASSEMBLED. ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017543 REV. # 27 DATED 30-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----  
-----END-----

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



Date: 9 March 2010

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.: YRR4491L
17. Name (Typed or Printed):	18. Date (d/m/y):	22. Name (Typed or Printed): GARY J JOST	23. Date (d/m/y): 9 March 2010

### User/Installer Responsibilities

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

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

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

1. Approving National  
Aviation Authority/Country  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

Form Tracking Number:

RPR20114-6



4. Organization Name and Address

Dallas Airmotive, Inc.  
21625 N. Central Ave. Bldg. 2 Suite 104  
Phoenix, AZ 85024

Certificate Number: YRR4491L

5. Work Order/Contract/Invoice  
Number:

RPR20114

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	#4 BEARING HOUSING	3034465	N/A	1	PWC89D19332	REPAIRED

13. Remarks TT: UNK TSO: UNK CSN: UNK CSO: UNK

REMOVED #4 BEARING HOUSING ASSEMBLY FROM EXHAUST DUCT. CLEANED, VISUALLY INSPECTED, AND RE-SEALED. RE-INSTALLED #4 BEARING HOUSING ASSY. IN EXHAUST DUCT. ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017542 REV. # 39 DATED 09-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----END-----

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



Date: 9 March 2010

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.:
			YRR4491L
17. Name (Typed or Printed):	18. Date (d/m/y):	22. Name (Typed or Printed):	23. Date (d/m/y):
		GARY J JOST	9 March 2010

### User/Installer Responsibilities

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

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

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

1. Applying National  
Aviation Authority/Country  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

Form Tracking Number:

RPR20114-7



4. Organization Name and Address

Dallas Airmotive, Inc.  
21625 N. Central Ave. Bldg. 2 Suite 104  
Phoenix, AZ 85024

Certificate Number: YRR4491L

5. Work Order/Contract/Invoice  
Number:

RPR20114

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	LT SUPPORT	3023708	N/A	1	PWC89D18350	REPAIRED

13. Remarks TT: UNK TSO: UNK CSN: UNK CSO: UNK

DISASSEMBLED, CLEANED, VISUALLY INSPECTED L.T. SUPPORT ASSY. INSTALLED FUEL NOZZLE ADAPTERS WITH 12 EA. OVERHAULED FUEL NOZZLE TIPS, P/N 3100713-01. FUNCTIONALLY TESTED, PRESSURE AND PATTERN CHECKED. INSTALLED COMBUSTION LINER P/N 3041219 S/N 478 USING 2 EA. SERVICEABLE SUPPORT PINS AND 4 EA. REPAIRED SUPPORT PINS P/N 3019360. ALL WORK ACCOMPLISHED WITH REFERENCE TO PRATT & WHITNEY MANUAL P/N 3017542 REV. # 39 DATED 09-JAN-2009, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. PCE-76919 -----END-----

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



Date: 9 March 2010

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.:

YRR4491L

17. Name (Typed or Printed):

18. Date (d/m/y)

22. Name (Typed or Printed):

23. Date (d/m/y):

GARY J JOST

9 March 2010

### 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.

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**Pratt & Whitney Canada**

Une societe de United Technologies/A United Technologies Company

Pratt & Whitney Canada Corp.

1000, Marie-Victorin

Longueuil, Quebec, Canada, J4G 1A1

## Turbofan Engine Calibration Run Data Sheet

P&WC 9936 (1999-10)

Date	23-Mar-10	A/C Reg. No.	N318DN	Engine S/N.	76919	Engine Position	LEFT
Engine TTSN.	8661.7	Wind Dir./Velo.	330/12	Press. Alt.	-100	Engine Model	JT15D-1A
OAT (Deg. C)	17	Theta	1.0069	Root Theta	1.0035		D
Max N1 for Ambient conditions per A/C Flight Manuals (N1 %):						95.4	
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 (%)	95.4	93.4	91.4	89.4	85.4		31.6
N2(%)	95	93	92	91	89		46
ITT (Deg. C)	650	645	630	605	580		380
Fuel Flow (pph)	1190	1110	1055	990	890		200
Oil Press (psia)	80	80	80	80	80		70
Oil Temp. (deg. F)	50	60	70	70	70		80
Corrected Engine Parameters Calculation							
N1 (%)	95.1	93.1	91.1	89.1	85.1		31.5
N2(%)	94.7	92.7	91.7	90.7	88.7		45.8
T45 or T5 (Deg. C)	644	639	624	599	574		375
Run Down Time							
N1 : (seconds)	58		N2: (seconds)	60			





**Pratt & Whitney Canada**

Une societe de United Technologies/A United Technologies Company

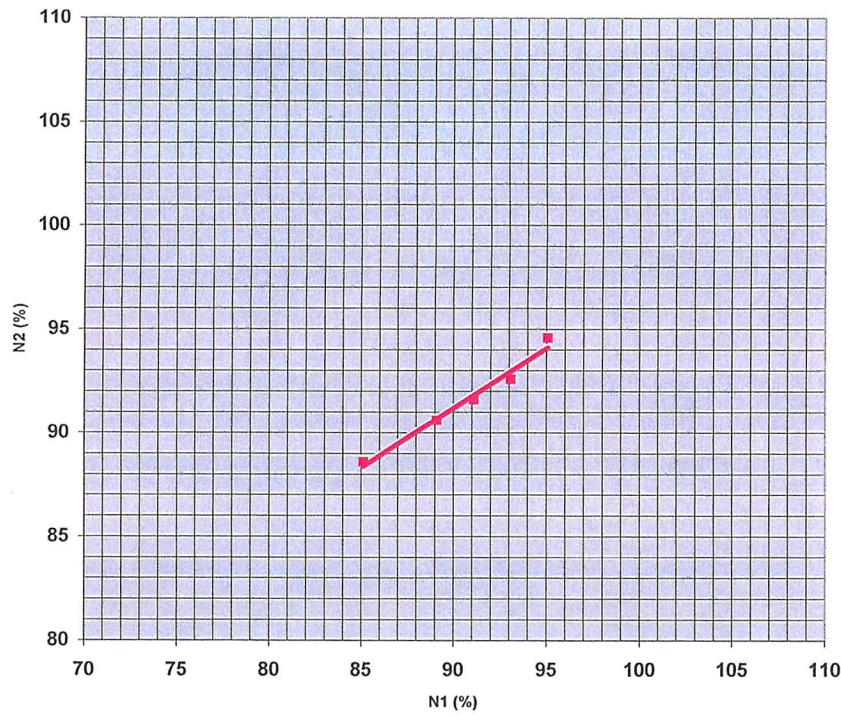
# Turbofan Engine Installation Calibration and Performance Check Curves, Corrected N1 vs. N2 and N1 vs. T4.5

1000, Marie-Victorin  
Longueuil, Quebec  
Canada, J4G 1A1

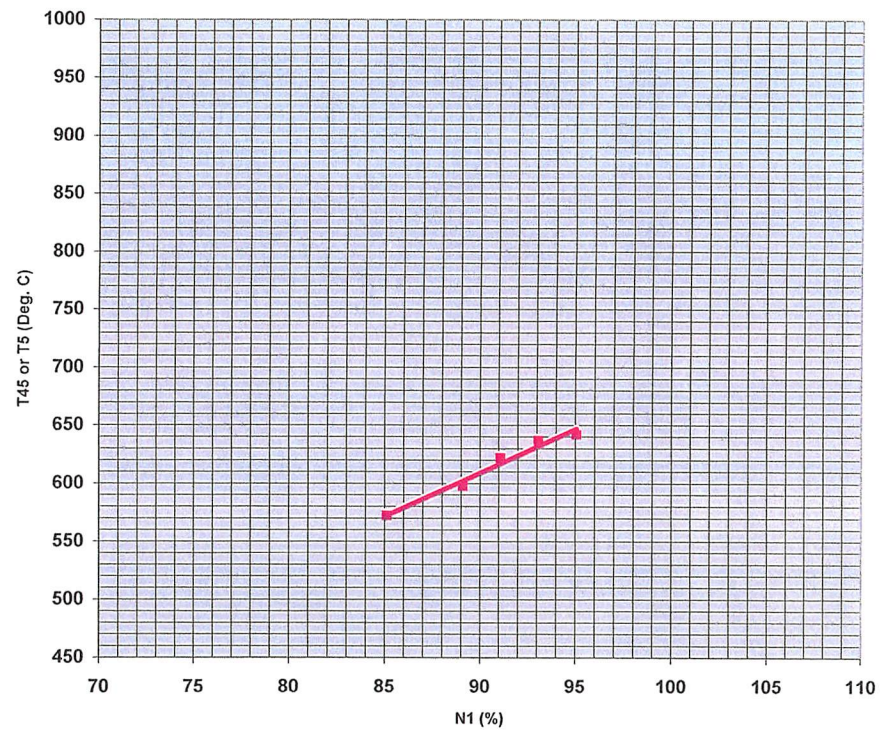
P&WC 9935 (1999-10)

Date: 23-Mar-10	A/C Reg. No.: N318DN	Engine S/N: 76919	Engine Position: LEFT
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Engine Total Time since New: 8661.7	Engine Total time Since Ovhl:	Engine Model: JT15D-1A
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■ Final Cal. ▲ Initial Cal. — Max Limit — Final Cal. — Initial Cal.



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

**Maintenance Transaction Record**



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

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

Airframe Entries    
  Eng. #1 Serial No. 76919    
  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	Feb-15-2010	PAE	8439.6	5995	8652.7	8301.4	6550	5918			

**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
34080001	1	2	Engine Borescope	E1**L								
Comments: Performed borescope inspection of the left engine hot section components IAW the Pratt & Whitney JT15D-1A M/M chapter 72-00-00 for HSI extension. Hot section components found to be serviceable at this time.												
34080002	2	2	Perfromance Run	E1**L								
Comments: Completed left engine performance run IAW the Pratt & Whitney JT15D-1A M/M chapter 71-00-00 for HSI extension. Engine performance found to be within limits at this time.												

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

<b>Repair Facility</b> Sacramento Citation Service Center	<b>Certified Repair Station Number</b> CNQ4918C	<b>Work Order No.</b> 421838
<b>Work Performed By</b> Sacramento Citation Service Center	<b>Certificate No.</b> CNQ4918C	<b>Date</b> Feb-15-2010
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and the aircraft identified above is presently approved for return to service		
<b>Work Inspected by</b> Dennis Murany <i>Dennis Murany</i>	<b>Certificate No.</b> CNQ4918C	<b>Date</b> Feb-15-2010
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.		

Maintenance Log	
Section	Page
6	

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

