

N318DN

1981 Citation I/SP

Engine #2

PCE-77129

Overhaul & HSI Records

Aircraft S/N: 501-0184



RidgeAire
WORLDWIDE
aviation specialists

Prepared by the worldwide aviation specialists at RidgeAire, Inc.

ENGINE SERVICE AND MAINTENANCE RECORD

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

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 HOUR |
|-----------------|------|-----------|----------|------------------------------|-----------|-------------------------|----------------|------------------------|-----------------------------|-------|--------|----------------|----------|
| | | | | | | | | | | | | | |
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④ TYPE T
 1. COMP
 2. INSPE

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

HOURS ↑ CYCLES ↑
 TIME SINCE NEW OR O/H
 PAIRED 0 - OVERHAULED S - SERVICABLE
 UMBERS, ETC.

5 THIS SPACE FOR

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
 PWV-3096 (MAY 98) E.L. Wright Q.A. Coordinator

6

REPAIR FACILITY _____

WORK PERFORMED BY _____

I certify that the above stated maintenance and/or in _____ and the engine identified above is presently airworthy and approved for return to service.

FEDERAL AVIATION ADMINISTRATION
 MINISTRY OF TRANSPORT
 OTHER (SPECIFY) _____


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| BOOK | PA |
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|--|------------------|--|-----------------|---|--|--|--|
| 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 | OVERHAULLED | |
| 13. REMARKS: TTSN: 6964.0 TCSN: 4901 TTSO: -0- TCSO: -0- THE ENGINE IDENTIFIED HEREON WAS REPAIRED, INSPECTED AND OVERHAULLED 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 <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:  | | 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 | WORK ORDER NUMBER | ENGINE SERIAL NUMBER | | | CUSTOMER | | | |
| 16 Jun. 2000 | 4792708 | PC-E 77129 | | | CESSNA - SMF | | | |
| REFERENCE: | | ENGINE STATUS | | | SALES ORDER | | | |
| S/B 7002 REV 35 | | OVERHAUL | | | 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: | | | | | DATE: | | | |
|  E.L. WRIGHT, QA COORDINATOR | | | | | 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 |
| <p>THE FOLLOWING SERVICE BULLETINS WERE FOUND PREVIOUSLY EMBODIED:</p> <p>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</p> | | |
| <p>THE FOLLOWING SERVICE BULLETINS WERE EMBODIED THIS VISIT:</p> <p>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</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&B, 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 | |
| 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> (PW) 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 CARDBOARD SERIAL NUMBER N/A

CONDITION SERVICEABLE

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

DATE: 16 June, 2000

N/R = NOT RECEIVED

N/A = NOT APPLICABLE

S/L = SHIP LESS

Maintenance Transaction Record



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

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

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

| 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 |
|------------------|-----|------|------------------|----------|-------------------------------------|-----------|-------------|----------------|-----------------------|--------------------|----------------|-----------|
| 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 <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and the aircraft identified above is presently approved for return to service | | |
| Work Inspected by 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



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. _____

| 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. BOROSCOPED 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

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 *[Signature]* **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



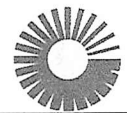
PLEASE PRINT

| 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 | Install- ed Part Status | (TBO Enter if Change Desired) | Hours | Cycles | Material Costs | Man Hours | O/A Agent Code | | |

- 1
- 2 Do Not
- 3 Write
- 4 In This
- 5 Space
- 6
- 7
- 8

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.

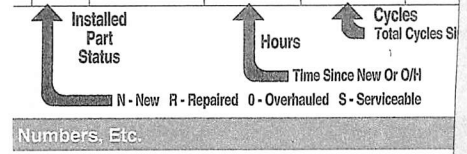
DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION:

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. Dyar KEVIN P. DYAR, AUTHORIZED INSPECTOR
 PWV-3096 (MAY 98)



| | | |
|---|------------------------------------|----------------|
| 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 | | |
| <input type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Ministry of Transport <input type="checkbox"/> 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 |



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 | |
|----------------|----|--|---------------|----|--|



Pratt & Whitney Canada

Une societe de United Technologies/A United Technologies Company

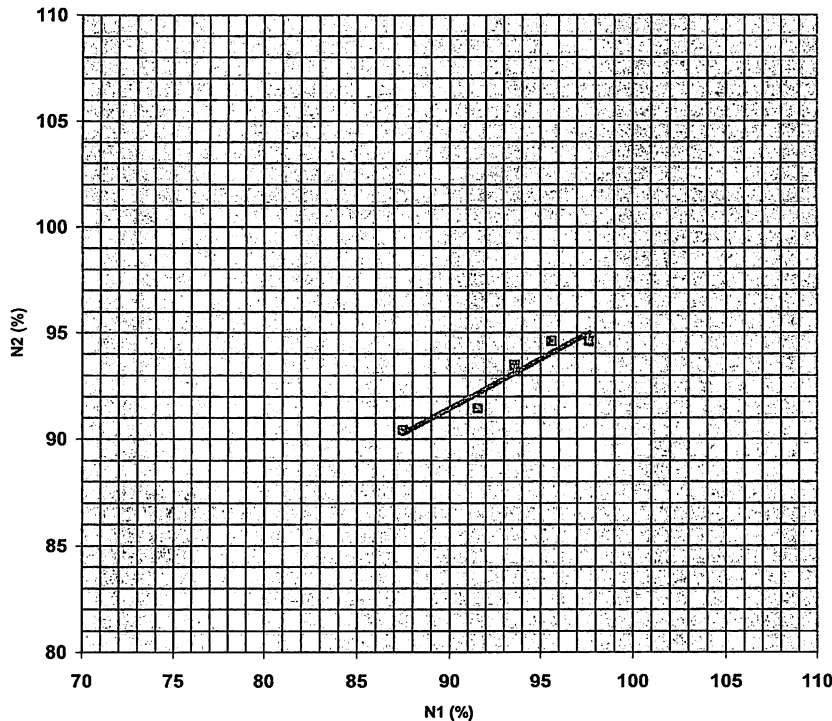
Turbofan Engine Installation Calibration and Performance Check Curves, Corrected N1 vs. N2 and N1 vs. T4.5

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

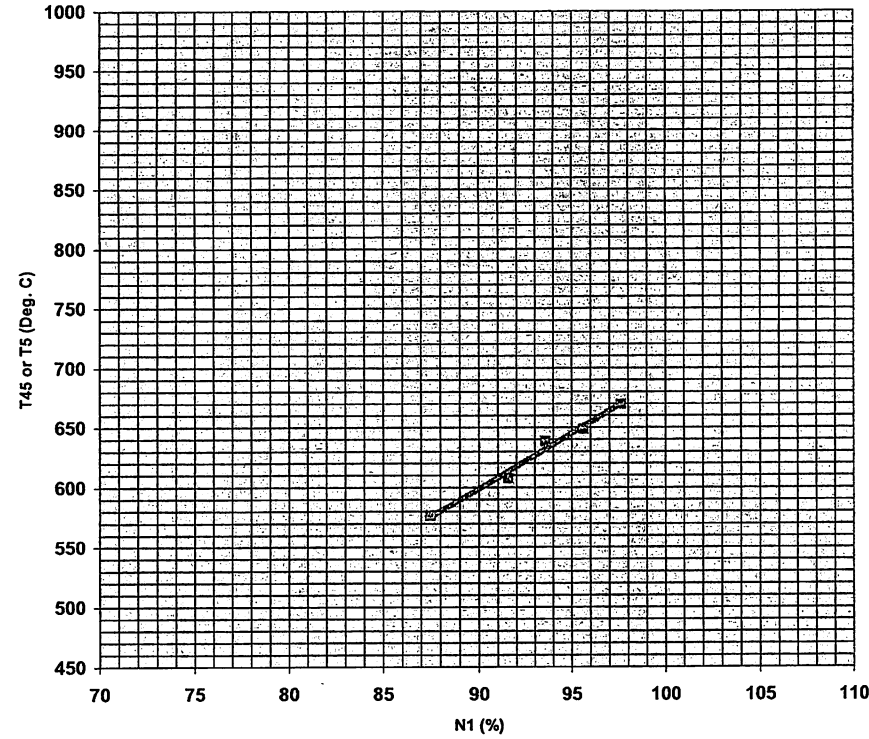
P&WC 9935 (1999-10)

| | | | |
|-----------------|----------------------|-----------------------|----------------------|
| Date: 24-Oct-08 | A/C Reg. No.: N318DN | Engine S/N: PCE-77129 | Engine Position: E2R |
|-----------------|----------------------|-----------------------|----------------------|

| | | |
|-------------------------------------|--------------------------------------|------------------------|
| 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 BRIGEPORT, WV 26330 CERTIFICATE NO: LMIR301K | | | | | 5. Sales Order/Contract/Invoice Number: 154806 | | |
| 6. Item: | 7. Description: | 8. Part Number: | 9. Eligibility: * | 10. Quantity: | 11. Serial/Batch Number: | 12. Status/Work: | |
| ONE | ENGINE, TURBOFAN JT15D-1A | 3018700 | N/A | 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: <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.: LM1R301K | |
| 17. Name (Typed or Printed): | | 18. Date (m/d/y): | | 22. Name (Typed or Printed): KEVIN P. DYER, AUTHORIZED INSPECTOR | | 23. Date (m/d/y): 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 154806 | SERIAL NUMBER PCE-77129 | ENGINE MODEL JT15D-1A | CUSTOMER 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 |
|---|--------------|----------|
| 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. | Designation 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

Dossier qualité - Quality Record

Date 2008.09.26


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

| 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. | Designation 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 | | |

**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 | |



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. _____
 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 <input checked="" type="checkbox"/> Federal Aviation Administration <input type="checkbox"/> Other (Specify) _____ and the aircraft identified above is presently approved for return to service | | |
| Work Inspected by Robert W. Westphal <i>Robert W. Westphal</i> | 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

