

RIDGEAIRE
WORLDWIDE AVIATION

JOHNSON AVIATION
TYLER, TEXAS · KTYR



MAINTENANCE RECORDS

LEFT ENGINE

N425TB | Pratt & Whitney PT6A-112

SERIAL NUMBER	PCE-12142
POSITION	Left (#1)
OVERHAUL	Airwork Corp., Millville, NJ
OVERHAUL DATE	August 13, 1992
ENGINE TT AT OVERHAUL	3,457.8 Hrs / 3,249 Cycles



IMPORTANT NOTICE

REGARDING AIRCRAFT LOGBOOKS

AIRCRAFT

N425TB 1981 Cessna 425 Conquest I

S/N 425-0068

Please read before reviewing these records.

The logbooks accompanying this aircraft are not filed strictly by category. Some entries and volumes are mixed — airframe, engine, propeller, and avionics entries may appear in a book other than the one its divider indicates. This aircraft was previously registered as N1906K, and older entries may appear under that registration.

Do not rely on the divider labels alone. Review each logbook in full when researching maintenance history, time in service, airworthiness directive compliance, or any specific entry. An entry you expect to find in one volume may be recorded in another.

RidgeAire has reviewed these records and can help locate a specific entry, clarify what is recorded where, or answer any question about the aircraft's documented history.

QUESTIONS? CONTACT RIDGEAIRE

Zach Ridgley

Sales Manager | Director of Aircraft Marketing & Research

(903) 586-1521 zach@ridgeaire.com

RIDGEAIRE, INC.

PO Box 361 | Jacksonville, TX 75766

(903) 586-1521 | ridgeaire.com

adilog

**MAINTENANCE
RECORDKEEPING
SYSTEM**

④

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 4

Aircraft Registration No. ~~N1906K~~ N425TB

Engine Manufacturer Pratt Whitney

Model PT6A-112

Serial No. PCE 12142

Date installed on aircraft Feb. 20, 1981

Time Between Overhauls (TBO) 3600 Hours

If used on multi-engine aircraft:

☐ Right

☐ Front

☒ Left

☐ Rear



AEROTECH PUBLICATIONS INC.
PO BOX 1359 / SOUTHOLD, NY 11971-0965
(516) 765-9375
FAX: (516) 765-9359

Page No. _____

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

TETON AVIATION CENTER DRIGGS, IDAHO 83422 N425TB 8/16/98 TTAF 4937.7 FHM 4937.7
 LH ENG TT 4937.7 TSO 1479.9
 PERFORMED CESSNA PHASE 2 INSPECTION AND PRATT & WHITNEY PT6 INSPECTION PER TABLE 601
 SHEETS 1 THROUGH 8 AS APPLICABLE. THIS POWERPLANT HAS BEEN INSPECTED IN ACCORDANCE WITH
 CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.

Jack Bully AP563062129



TETON AVIATION CENTER

PO BOX 869
 675 AIRPORT RD
 DRIGGS, ID 83422

INVOICE #	3
DATE	10/13/98
TACH./HM.	4976.1

REPLACE LH FUEL SCAV PUMP
 *****END*****

I CERTIFY THAT THE REPAIRS/INSPECTIONS IDENTIFIED ABOVE WERE PERFORMED IN ACCORDANCE WITH FAR'S
 AND IS APPROVED FOR RETURN TO SERVICE.

Jack Bully AP563062129

TETON AVIATION CENTER DRIGGS, IDAHO 83422 N425TB 3/28/99 TTAF 5048.5 FHM 5048.5
 PERFORMED PHASE 7 ENGINE OIL CHANGE IN ACCORDANCE WITH CESSNA 425 AND P&W MAINTENANCE
 MANUALS. GROUND RUN AND LEAK CHECK, OK. APPROVED FOR RETURN TO SERVICE.

Jack Bully AP563062129IA

SUB-TOTALS this page

TOTALS

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TETON AVIATION CENTER				INVOICE #
PO BOX 869 675 AIRPORT RD DRIGGS, ID 83422				DATE 10/29/1999
				TACH/HM. 5137.1
INSPECTED ENGINE PER CESSNA 425 PHASE 2 INSP GUIDE AND P&W PT6A-112 M/M TABLE 601. REPLACED IGNITORS DUE TO EXCESSIVE WEAR, BLED TORQUE INDICATOR LINES FROM XDCR TO COCKPIT. GROUND RUN AND LEAK CHECKS OK!				
I CERTIFY THAT THE REPAIRS/INSPECTIONS IDENTIFIED ABOVE WERE PERFORMED IN ACCORDANCE WITH FAR'S AND IS APPROVED FOR RETURN TO SERVICE. <i>Donna Smith</i> <u>AP563062129</u>				



4444 W. AERONCA ST., BOISE, IDAHO 83705, U.S.A.

LEFT ENGINE LOGBOOK INSERT

ENGINE MAKE Pratt & Whitney MODEL PT6A-112 S/N PCE 12142
 ENG TTIS: 5253.2 SMOH: 1795.4 CYCLES: Not Given Installed on Acft N 425TB HOBBS: 5253.2
 Inspected per Pratt & Whitney EMM P/N 3030442 section 72-00-00 Pg 604 table 601 and Cessna 425 CCIP (continuous inspection program method II) Cessna document number D2535-4-13AF section 5-12-00. The following phase inspections were performed: 2, 3 & D. The fuel nozzles are inspected and flow checked per EMM section 73-10-05 no discrepancies noted. Inlet and outlet fuel filters are inspected. No discrepancies noted. Chip detector function test performed at this time. No discrepancies noted. Removed and installed engine driven fuel pump P/N 025323-150 S/N 332 and Fuel control Unit P/N 3244745-2 S/N A72467 each being time continued after repair and having 1795.4 Hours TSO. These units were repaired by FAA CRS YRRR491L on shop W/O N09483 dated 3-14-00. Installed new fuel pump drive Splined coupling P/N 3024973. Installed two new fuel control interconnect link rod ends P/N 3008787. Installed a new pressure fuel line P/N 3027048. Oil sample was taken and shipped for S.O.A.P. analysis.
 MAINTENANCE RELEASE: The Engine and/or component identified above was repaired and/or inspected, per current Regulations of the Federal Aviation Administration, and found to be airworthy with respect to the work performed, subsequently approved for return to service this date 28 March 27, 2000.
 Pertinent details are on file at this agency under Shop Work Order No. G1855

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. FE6R532N

Ronnie D. Bortz



4444 W. AERONCA ST., BOISE, IDAHO 83705, U.S.A.

LEFT ENGINE LOGBOOK INSERT

ENGINE MAKE Pratt & Whitney MODEL PT6A-112 S/N PCE 12142
 ENG TTIS: 5359.5 SMOH: 1901.7 CYCLES: Not Given Installed on Acft N 425TB HOBBS: 5359.5
 Inspected per Pratt & Whitney EMM P/N 3030442 section 72-00-00 Pg 604 table 601 and Cessna 425 CCIP (continuous inspection program method II) Cessna document number D2535-4-13AF section 5-12-00. Phase inspection 2 was performed.
 Oil sample was taken and shipped for S.O.A.P. analysis.
 MAINTENANCE RELEASE: The Engine and/or component identified above was repaired and/or inspected, per current Regulations of the Federal Aviation Administration, and found to be airworthy with respect to the work performed, subsequently approved for return to service this date January 10, 2001.
 Pertinent details are on file at this agency under Shop Work Order No. G2920

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. FE6R532N

Chris Blinford



4444 W. AERONCA ST., BOISE, IDAHO 83705, U.S.A.

LEFT ENGINE LOGBOOK INSERT

ENGINE MAKE Pratt & Whitney MODEL PT6A-112 S/N PCE 12142
 ENG TTIS: 5371.6 SMOH: 1913.8 CYCLES: 4747 Installed on Acft N 425TB HOBBS: 5371.6
 Inspected per Cessna 425 CCIP (continuous inspection program method II) Cessna document number D2535-5-13AF section 5-12-00 dated 1 June 2000. A phase inspection 3 is performed.
 Installed a new engine fire bottle squib P/N AE873364. These are new units by Applied Technology FAA CRS DMIR602521NM Lot# AEN2-16. -- END --
 MAINTENANCE RELEASE: The Engine and/or component identified above was repaired and/or inspected, per current Regulations of the Federal Aviation Administration, and found to be airworthy with respect to the work performed, subsequently approved for return to service this date 2 April 2000.
 Pertinent details are on file at this agency under Shop Work Order No. G3220

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. FE6R532N

Ronnie D. Bortz



PHONE 208-338-1800

4444 W. AERONCA ST., BOISE, IDAHO 83705, U.S.A.

LEFT ENGINE LOGBOOK INSERT

ENGINE MAKE PRATT & WHITNEY MODEL PT6A-112 S/N PCE12142
 ENG TTIS: 5456.6 SMOH: 1998.8 CYCLES: 4795 Installed on N425TB ACTT: 5456.6
 Inspected per Pratt & Whitney EMM P/N 3030442 section 72-00-00 Pg 604 table 601 dated 2 Feb 2001 and Cessna 425 CCIP (continuous inspection program method II) Cessna document number D2535-4-13AF section 5-12-00 dated 1 June 2000. A phase 2 inspection is performed. - END -

MAINTENANCE RELEASE: The Engine and/or component identified above was repaired and/or inspected, per current Regulations of the Federal Aviation Administration, and found to be airworthy with respect to the work performed, subsequently approved for return to service this date 12 Oct 2001.
 Pertinent details are on file at this agency under Shop Work Order No. G 4462.

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. FE6R532N

Ronnie D. Bortz



PHONE 208-338-1800

4444 W. AERONCA ST., BOISE, IDAHO 83705, U.S.A.

LEFT ENGINE LOGBOOK INSERT

ENGINE MAKE PRATT & WHITNEY MODEL PT6A-112 S/N PCE12142
 ENG TTIS: 5510.0 SMOH: 2052.2 CYCLES: 4827 Installed on Acft N425TB HOBBS: 5510.0

Engine is removed to facilitate other maintenance. Engine is re-installed as per the current Cessna Maintenance Manual, Document Number D2535-5-13, Revision 5, dated 1 June 2000, Chapter 71-00-00, Page block 201. Operational and leak checks reveal no discrepancies.

Phase 3 Inspection performed as per the Cessna 425 CCIP (Continuous Inspection Program Method II) listed in the current Cessna Maintenance Manual, Section 5-12-00.

Phase D Inspection (Combination Phase 4, 5, & 6) performed as per the Cessna 425 CCIP. Additionally the engines are inspected as per the current Pratt & Whitney Maintenance Manual, part number 3030442, Revision 24, dated 15 February 2002, Chapter 72-00-00, Table 601, Pages 604 through 610, for a Minor, Routine, and a 100 Hour Inspection.

Lubricated the starter/generator drive splines as per the current Cessna Maintenance Manual, Chapter 80-10-00.

Replaced all engine compartment fluid pressure hoses.

Repaired cracks in the left hand engine inlet cowl by riveting inner and outer doublers in place. Operational checks of the by-pass door are normal.

Purged all air from the torque sense system plumbing as per the current Cessna Maintenance Manual, Chapter 77-10-01, Pages 205/206. Operational checks are normal.

Replaced the engine inlet baffling, as required. -END-

MAINTENANCE RELEASE: The Engine and/or component identified above was repaired and/or inspected, per current Regulations of the Federal Aviation Administration, and found to be airworthy with respect to the work performed, subsequently approved for return to service this date 7 June 2002.
 Pertinent details are on file at this agency under Shop Work Order No. W-5059.

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. FE6R532N

Steve B. Strom

10/31/02 TT6571.4 INSPECTED ENGINE IAW PHASE 2 INSPECTION CHECKLIST
 AND PER PRATT & WHITNEY MAINTENANCE MANUAL
 INSPECTION TABLE 601. V.I. Burt 5/8/3/347AP



Teton Aviation Center
 675 Airport Rd.
 Driggs, ID 83422
 208-354-3100

Date: July 25, 2003

Tach Time: 5660.4

Total Time: 2202.6

Engine inspected in accordance with Cessna Phase 3 Inspection checklist; starter/generator splines inspected and lubricated; engine run up, operational check OK.

I certify that the repairs/inspections identified above were performed in accordance with FARs and is approved for return to service.

[Signature]

A+P 144466448JA

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Teton Aviation Center
675 Airport Rd.
Driggs, ID 83422
208-354-3100

Date: 09/16/2003

Tach Time: 5682.8 hobbs

Total Time: 5682.8

SMOH 2225.0 Engine inspected IAW Phase 2 checklist and Pratt & Whitney Table 601 100 hour items.

I certify that the repairs/inspections identified above were performed in accordance with FARs and is approved for return to service.

T. J. B. 518131347AP

PRATT & WHITNEY PT6A-112
SN: PCE-12142
TSN: 5713.8
CSN: 4934
TSO: 2256.0
CSO: 1685
W/O: 6336S



ENGINE ENTRY, PG. 1

POSITION #1
CESSNA 425
N425TB
HOBBS: 5713.8
TTAF: 5713.8
LANDINGS: 4934
DATE: 8/13/04

Complied with Cessna Phase 2, 3, & D inspections in accordance with the Cessna 425 maintenance manual rev 5.

- > Accomplished Pratt & Whitney 300, 400 & 600 hr inspection items.
- > Accomplished SOAP sample.
- > AD2002-23-13 LH & RH engine turbine exhaust duct weld inspection, no defects noted.

I certify that this engine has been inspected in accordance with approved Pratt & Whitney inspection programs, as required by FAR 91.409 (F) (3), and is approved for return to service with regards to the maintenance performed. Pertinent details are on file at this repair station under the above work order. A copy of this work order has been provided to the operator.

Signature

[Signature]
WEST STAR AVIATION, INC.
796 Heritage Way
Grand Junction, CO 81506 (970) 243-7500

FAA CERTIFIED REPAIR STATION
WTXR173J

Date: 4-25-2005

Hrmtr: 5821.1

Type: P&WC

Aero Maintenance Inc.

Wichita Falls, TX 76305

Model No: PT6A-112

Serial No.: PCE12142

LH Engine N425TB

Total Time: 5821.1

SMOH: 2363.3

Inspection accomplished

Phase 2 inspection complied with in accordance with Cessna 425 maintenance manual chapter 5.

I certify that this Engine has been inspected in accordance with a PHASE 2 inspection and was approved for return to service.

Signature

[Signature] A6P55125220964

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE

TOTAL
TIME
IN
SERVICETOTAL
TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Date: 6-25-2005

Hrmtr: 5850.5

Type: P&WC

Aero Maintenance Inc.

Wichita Falls, TX 76305

Model No: PT6A-112

Serial No.: PCE12142

LH Engine N425TB

Total Time: 5850.5

SMOH: 2392.7

Maintenance accomplished

- 1) Replaced oil filter element with new element P/N 7579431AM supplied by PTI Technologies Inc. (See 8130-3 approval tag).
- 2) Removed Starter / Generator for overhaul. Reinstalled Starter / Generator P/N 23078-007 S/N565 after overhaul by API Technologies CRS# IC9R999J (See 8130-3 approval tag).
- 3) Complied with Pratt & Whitney Periodic Minor and Routine inspections in accordance with table 601.

Signature

*Steve Waldell AIP 467375355*Date: March 15th 2006

Hrmtr: 5932.0

Engine: P&WC

CIS: 5123

Aero Maintenance Inc.

Wichita Falls, TX 76305

Model No: PT6A-112

CSHSI: UNK

Serial No.: PCE 12142

CSMOH: 1874

Left Engine N425TB

Total Time: 5932.0

SMOH: 2474.2

TSHSI: 1082.4

Inspection and maintenance accomplished

- 1) Cessna 425 Phase 2 engine inspection items complied with.
- 2) Cessna 425 Phase 3 engine inspection items complied with.
- 3) Cessna 425 Phase 7 oil change complied with. Serviced engine with BPTO 2380 turbo oil. (Next due 3-2007 / engine total time: 6324.5)
- 4) Cessna 425 Phase 9 oil filter 1000 hour replacement complied with. Installed new oil filter P/N 3034393 supplied by Western Filter Corp. See 8130-3 approval tag. (Next due at engine total time: 6924.5)
- 5) Pratt & Whitney Periodic minor and routine inspection complied with.
- 6) Removed, inspected, cleaned, and reinstalled reduction gearbox oil scavenge screen.
- 7) Removed, inspected, cleaned, checked operation, and reinstalled reduction gearbox chip detector.
- 8) Removed, inspected, cleaned, and reinstalled fuel pump inlet screen.
- 9) Replaced fuel pump outlet filter element with new filter element P/N AN6235-3A. (Note: O-rings and filter replaced during this inspection supplied in Aviation Laboratories PT6-100 hour inspection kit Log # 8106)
- 10) Ground run up checks and leak checks complied with.

I certify the inspections and maintenance listed in this entry were performed in accordance with the current Cessna 425 and Pratt & Whitney PT6A-112 maintenance manuals and this engine was approved for return to service at that time.

Signature

Steve Waldell AIP 5210451721A

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Date: October 19th 2006**Aero Maintenance Inc.**

Left Engine N425TB

Hrmtr: 6004.1

Wichita Falls, TX 76305

Total Time: 6004.1

Engine: P&WC

Model No: PT6A-112

Serial No.: PCE 12142

SMOH: 2546.3

CIS: 5182

CSHSI: UNK

CSMOH: 1933

TSHSI: 1154.5

Inspection accomplished

- 1) Cessna 425 Phase 2 engine inspection items complied with.
- 2) Cessna 425 Phase 3 engine inspection items complied with.
- 3) Cessna 425 Phase D engine inspection items complied with.
- 4) Pratt & Whitney Periodic minor and routine inspection complied with.

Maintenance accomplished

- 1) Removed, inspected, cleaned, and reinstalled reduction gearbox oil scavenge screen.
- 2) Removed, inspected, cleaned, checked operation, and reinstalled reduction gearbox chip detector.
- 3) Removed, inspected, cleaned, and reinstalled fuel pump inlet screen.
- 4) Replaced fuel pump outlet filter element with new filter element P/N AN6235-3A.
(Note: O-rings and filter replaced during this inspection supplied in Aviation Laboratories PT6-100 hour inspection kit)
- 5) Removed, inspected, cleaned, reinstalled oil filter element.
- 6) Serviced engine as needed with BPTO 2380 turbo oil.
- 7) Ground run up checks and leak checks complied with.

I certify the inspections and maintenance listed in this entry were performed in accordance with the current Cessna 425 and Pratt & Whitney PT6A-112 maintenance manuals and this engine was approved for return to service at that time.

Signature Steve Wallace ATP 467775355 IADate: July 27th 2007**Aero Maintenance Inc.**

Left Engine N425TB

Hrmtr: 6107.2

Wichita Falls, TX 76305

Total Time: 6107.2

Engine: P&WC

Model No: PT6A-112

Serial No.: PCE 12142

SMOH: 2649.4

CIS: 5282

CSHSI: UNK

CSMOH: 2033

TSHSI: 1257.6

Inspection accomplished

- 1) Cessna 425 Phase 2 engine inspection items complied with.
- 2) Pratt & Whitney Periodic minor and routine inspection items complied with.

Maintenance accomplished

Replaced both igniters with new Champion Igniters P/N CH34055.

I certify the inspections and maintenance listed in this entry were performed in accordance with the current Cessna 425 and Pratt & Whitney PT6A-112 maintenance manuals and this engine was approved for return to service at that time.

Signature Andy LK ATP 2844378

DATE

Date: September 28th 2007
 Hrtr: 6137.0
 Engine: P&W
 CR: 5208

 Model No: PT6A-112
 CSHSE: UNK

Wichita Falls, TX 76305

 Serial No.: PCE 12142
 CSMOH: 2040

 Left Engine: N425B
 Total Time: 6137.0
 SMOH: 2679.2
 TSHSE: 1287.4
Inspection accomplished

- 1) Cessna 425 Phase 3 engine inspection items complied with.
- 2) Cessna 425 Phase 7 engine oil change complied with. Serviced engine with BPTO 2380 turbo oil.
- 2) Pratt & Whitney Periodic Minor and Routine inspection items complied with.
- 3) Pratt & Whitney 100 Hour Chip Detector inspection and test complied with.
- 4) Pratt & Whitney 200 to 400 Hour fuel nozzle flow check and overhaul complied with by Tennessee Aircraft Co. CRSE QTFR573L. (See 8130-3 approval tag)
- 5) Pratt & Whitney 600 Hour Fuel pump inlet screen cleaning complied with.
- 6) Pratt & Whitney 600 Hour Fuel pump outlet filter replacement complied with.

Maintenance accomplished

Oil sample was taken and sent to Aviation Laboratories for analysis. (See AL results for details)

I certify the inspections and maintenance listed in this entry were performed in accordance with the current Federal Aviation regulations and the current Cessna 425 and Pratt & Whitney PT6A-112 maintenance manuals and this engine was approved for return to service at that time.

Signature

 419 2844378
Date: August 5th 2008
 Hrtr: 6204.4
 Engine: P&W
 CR: 5368

 Model No: PT6A-112
 CSHSE: UNK

Wichita Falls, TX 76305

 Serial No.: PCE 12142
 CSMOH: 2119

 Left Engine: N425B
 Total Time: 6204.4
 SMOH: 2746.6
 TSHSE: 1354.8
Inspection accomplished

- 1) Cessna 425 Phase 2 engine inspection items.
- 2) Cessna 425 Phase 3 engine inspection items.
- 3) Cessna 425 Phase D engine inspection items.
- 4) Cessna 425 Operation 7 engine oil change complied with. Serviced engine with BPTO 2380 turbo oil.
- 5) Pratt & Whitney Periodic Minor and Routine inspection items complied with.
- 6) Pratt & Whitney 100 hour chip detector inspection complied with.
- 7) Pratt & Whitney 600 hour fuel inlet screen inspection complied with.
- 8) Pratt & Whitney 600 hour replacement of fuel outlet filter complied with. Installed new filter P/N AN6235-3A.

Maintenance accomplished

- 1) Oil sample was taken and sent to Aviation Laboratories. (See AL analysis for results)
- 2) Engine run up checks and leak checks complied with and found satisfactory.

I certify the inspections and maintenance listed in this entry were performed in accordance with the current Federal Aviation Regulations and the current Cessna 425 and Pratt & Whitney PT6A-112 maintenance manuals and this engine was approved for return to service at that time.

Signature

 419 2844378

N425TB

ENG:S/N PCE-12142 LFT

TT ENG:6214.8 Tcyc:5474

Spirit of St. Louis Airport • 639 North Bell Avenue • Chesterfield, Missouri 63005 • 636.532.5600

Thunder
AVIATION

DATE: 2-12-2009

TTAF: 6214.8

SMOH: 2750.0

1. CW 4,5,6, and D Inspection IAW 425 MM chapter 5 and Pratt & Whitney Periodic Inspection requirements.

2. Engine ground run and ops and leak checked good at this time.

I certify that this aircraft engine is airworthy with respect to the work performed and is approved for return to service. See pertinent details on file Work Order Number: **MN4831**

Signed:

*Chris Ball***CRS T0DR376I**Aero Maintenance Inc.

Wichita Falls, TX 76308

Page 1 of 1

August 1, 2009

Left Engine

Make: Pratt & Whitney

Model: PT6A-112

S/N: PCE 12142

Hr Mtr: 6284.0

Total Time: 6284.0

TSMOH: 2826.2

TSHSI: 1434.4

CIS: 5543

CSMOH: 2294

CSHSI: UNK

Inspection Accomplished

Cessna 425 Phase 2 Engine Inspection Items

Cessna 425 Phase 3 Engine Inspection Items

Pratt & Whitney Table 601 Minor and Routine Periodic Inspection Items.

Pratt & Whitney 100 Hr chip detector inspection

Pratt & Whitney 1000 Hr. check AGB internal Scavenge oil pump inlet screen

Pratt & Whitney 600 Hr. check fuel inlet screen

Pratt & Whitney 600 Hr. replace outlet fuel filter

Pratt & Whitney 100 Hr. Manual override on fuel control

Maintenance Accomplished

1) Engine ground run and leak checks complied with and found satisfactory.

I certify that this engine has been inspected in accordance with current Federal Aviation Regulations, the current Cessna 425 maintenance manual Continuous Inspection Program Phase 2 and 3, and Pratt & Whitney maintenance manual and was determined to be in an airworthy condition is approved for return to service at this time.

Chris Snel AP465516333

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME	TOTAL FUEL	TACH/HR (PERFORMANCE)	RECEPTION OF WORK PROGRESS
Aero Maintenance Inc.				
Wichita Falls, TX 76308				
Page 1 of 1				
Sept 9, 2010				
Left Engine				
Make:	Pratt & Whitney		HR Mtr:	6340.0
Model:	PT6A-112		Total Time:	6340.0
S/N:	PCE 12142		TSMOH:	2822.2
			TSR:	1490.4
			OS:	5591
			CSMOH:	2350
			CSR:	UNK
Inspection Accomplished				
Cessna 425 Phase 2 Engine Inspection Items				
Cessna 425 Phase 3 Engine Inspection Items				
Pratt & Whitney Table 600 Minor and Routine Periodic Inspection Items.				
Pratt & Whitney 200 Hr chip detector inspection				
Pratt & Whitney 1000 Hr. check AGE internal Scavenge oil pump inlet screen				
Pratt & Whitney 600 Hr. check fuel inlet screen				
Pratt & Whitney 600 Hr. replace outlet fuel filter				
Pratt & Whitney 100 Hr. Manual override on fuel control				
Maintenance Accomplished				
1) Engine ground run and leak checks complied with and found satisfactory.				
I certify that this engine has been inspected in accordance with current Federal Aviation Regulations, the current Cessna 425 maintenance manual Continuous Inspection Program Phase 2 and 3, and Pratt & Whitney maintenance manual and was determined to be in an airworthy condition is approved for return to service at this time.				
Signature and Date <u>AP 34954212</u>				

DATE	TOTAL TIME	TOTAL FUEL	TACH/HR (PERFORMANCE)	RECEPTION OF WORK PROGRESS
Aero Maintenance Inc.				
Wichita Falls, TX 76308				
Page 1 of 1				
May 13, 2011				
Left Engine				
Make:	Pratt & Whitney		HR Mtr:	6390.8
Model:	PT6A-112		Total Time:	6390.8
S/N:	PCE 12142		TSMOH:	2933.0
			TSR:	1541.2
			OS:	
			CSMOH:	
			CSR:	UNK
Inspection Accomplished				
Cessna 425 Phase 2 Engine Inspection Items				
Cessna 425 Phase 3 Engine Inspection Items				
Cessna 425 Phase D Engine Inspection Items				
Pratt & Whitney Table 600 Minor and Routine Periodic Inspection Items.				
Maintenance Accomplished				
1) Engine ground run and leak checks complied with and found satisfactory.				
2) Serviced engine with BF-2380 turbo oil				
I certify that this engine has been inspected in accordance with current Federal Aviation Regulations, the current Cessna 425 maintenance manual Continuous Inspection Program Phase 2, 3 and D and was determined to be in an airworthy condition is approved for return to service at this time.				
Signature and Date <u>AP 415496333</u>				
Date <u>5-13-11</u>				

AVIATION LABORATORIES

910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-6751

ANALYSIS RESULTS

AERO MAINTENANCE INC
Attn: JIM
P O BOX 1837
4000 ARMSTRONG, HGR 5
WICHITA FALLS TX 76307-1837
United States

Aircraft: C 425
S/N: 0068
Tail No.: N425TB-LH

Date: 4/24/2013
Engine S/N: PCE12142
Engine Model: PT6A-112

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours.
See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		Oil appears normal. Filter analysis is recommended for large particle wear.											
Sample Date: 4/12/2013 Analysis Date: 4/19/2013 Sample Number: 72 Cylinder Type:		*** ANALYSIS RESULTS IN PARTS PER MILLION ***											
TSN/TSO: 3002.1 Oil Hours: 69.1 Filter Hours: 527.9 Oil Added: Wt. (mgs): nt(deg. F): 20 (ppm): Acid No.:	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	2.6 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	
*** FILTER ANALYSIS RESULTS ***													
	Material:	Stainless Steel	Carbor Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.		
	Amount:												
	Type:												
	Form:												
E 1 Oil appears normal. Filter analysis is recommended for large particle wear.													
*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
Sample Number: 23	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	2.6 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	< 0.1 (N/A)	

Aero Maintenance Inc.

May 1, 2013
of 1

Wichita Falls, TX 76308

Page 1

Left Engine

Make: Pratt & Whitney
Model: PT6A-112
S/N: PCE 12142

Hr Mtr: 6459.9
Total Time: 6459.9
TSMOH: 3002.1
TSHSI: 1617.8

Inspection Accomplished

- Phase 2 Engine Inspection Items
- Phase 3 Engine Inspection Items
- Phase 7 Engine oil change
- Pratt & Whitey Table 601 Minor and Routine Periodic Inspection Items.

Maintenance Accomplished

- 1) Engine ground run and leak checks complied with and found satisfactory.
- 2) Drain oil and service engine with BP-2380 turbo oil
- 3) Oil sample taken and sent to aviation labs for analysis, See report for details

certify that this engine has been inspected in accordance with current Federal Aviation Regulations, the current Cessna 25 maintenance manual Continuous Inspection Program Phase 2, 3 and D inspection and was determined to be in an worthy condition is approved for return to service at this time.

James For ATP 3686339

Aero Maintenance Inc.

Wichita Falls, TX 76308

Page

Make: Pratt & Whitney
Model: PT6A-112
S/N: PCE 12142

Left Engine

Hr Mtr: 6501.1
Total Time: 6501.1
TSMOH: 3043.3
TSHSI: 1659.0

Inspection Accomplished

Phase 2 Engine Inspection Items

Phase 3 Engine Inspection Items

Phase 7 Engine oil change

Pratt & Whitney Table 601 Minor and Routine Periodic Inspection Items.

Maintenance Accomplished

- 1) Engine ground run and leak checks complied with and found satisfactory.
- 2) Drain oil and service engine with BP-2380 turbo oil
- 3) P&W 100 hr chip detector inspection and test complied with, no defects noted.
- 4) P&W 1000 hr AGB internal scavenge oil pump screen inspected.
- 5) P&W 600 hr fuel inlet screen inspection complied with.
- 6) P&W 600 hr fuel pump outlet filter replaced
- 7) Oil sample taken and sent to aviation labs for analysis, See report for details
- 8) All fuel nozzles overhauled by Tennessee aircraft and reinstalled with new gaskets and seals. See 8130-3.

June 5, 2014
of 1

Aero Maintenance Inc.

Wichita Falls, TX 76308

Page 2

I certify that this engine has been inspected in accordance with current Federal Aviation Regulations, the current Cessna 425 maintenance manual Continuous Inspection Program Phase 2 & 3 inspections and was determined to be in an airworthy condition is approved for return to service at this time.

Signature and Rating Chris 4403682081

Date 6-5-14

Calkins Aero Service Inc.

West Houston Airport
18000 Groeschke Rd.

Houston, TX 77084

Date: 5/27/2016 N425TB HOBBS/TTAF: 6561.1

TSO: 3103.3

L/H ENGINE

PERFORMED PHASE 2A
PERFORMED PHASE 3A
PERFORMED PHASE DA
PERFORMED PHASE 7
PERFORMED PT6 100HR
THE AIRCRAFT AND OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED
IN ACCORDANCE WITH CURRENT FAA REGULATIONS (91.409 (F)(A)) AND FOUND
AIRWORTHY FOR RETURN TO SERVICE.
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK
ORDER #25919

Calkins Aero Service Inc.
FAA Certified Repair Station
No. GK2R849K

signed

Chris
5375181A

TOTALS—Carry forward to next page

ETC: 6274

CSOH: 3025

William N. Lyddon
William N. Lyddon AP3

				SUB-TOTALS this page
				TOTALS - Carry forward to next page

Responsibilities
authority to install the aircraft engine/parts
authority different than the airworthiness authority
articles(s) from the airworthiness authority
records must contain an installation certificate

Robert N. Allen

A E R O D Y N E C O R P
T U R B I N E R E P A I R S E R V I C E S



N425TB Cessna 425 SN:0068
Hobbs:6847.0
Engine Serial Number: PCE:12142
TT:6847.0 TC:6274 TSO:3398.2 CSO:3025
Date: 10-02-22

1. Inspected and accepted for return to service compressor turbine disk assembly PN:3013411 SN:4H024 in accordance with the Pratt and Whitney Maintenance manual table 605
2. Disassembled, cleaned, inspected and reassembled CT vane ring small exit duct and shroud assembly. Replaced the small exit duct with overhauled unit PN:3018652 SN: PWC3858
3. Bench tested and repaired the compressor bleed valve PN:3100829-01 SN:3E730. Installed new diaphragm PN:3103347-01 Assembled tested and accepted for return to service.

All work has been accomplished in accordance with the manufacture's specifications and Current FAA Regulations. And the engine is accepted for return to service.

Aerodyne Corporation

Benjamin P. Smiley

Benjamin P. Smiley
Certificate Number: AP3097861

Aerodyne Corporation 7878 SW Jack James Drive Stuart, FL 34997
PH: 772-286-6601 FAX: 772-286-6615 aerocorp@icloud.com

Lyddon
AERO CENTER INC

LH

Date 11-5-22 Time in service 6847.0 hours HM reads 6847.0 hours TSOH 3389.2 hours
Cycles SOH 3025 Total cycles 6274

- Completed Phase 2, 3, and D inspections as per the CCIP inspection program.
- Completed Pratt 100 hour inspections..
- Reinstalled hot section after repair by previously noted repair of components with new gaskets and o-rings as required.
- Installed OHC thermocouple bus bar and harness.
- Completed 300 hour fuel nozzle flow check, clean, and re flow. Reinstalled nozzles with all new gaskets and O-rings.
- Replaced fuel filters.
- Engine and cowl washed...

Engine run-up and ops checked ok for return to service.

I certify that this engine has been inspected in accordance with the above listed inspections and is determined to be in airworthy condition..

Steven R. Lyddon
Steven R. Lyddon
AP21098961A

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

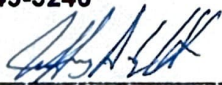
**Left (#1) Engine Logbook Entry, by Yingling Aviation for: N425TB Cessna 425-0068
Pratt & Whitney Canada PT6A-112 S/N PCE-12142**

C/W Phase 2 & 3 Inspections. C/W Phase 7 engine oil change. Drained oil and serviced with BP2380. C/W Minor, Routine & 100 Hour inspection items. C/W 300 Hour inspection of the fuel pump inlet/outlet screen. C/W 600 Hour/12 Month functional test of the oil chip detector. C/W Phase 9 1,000 Hour replacement of the oil filter using kit P/N 3059258-01. C/W compressor/turbine wash. Installed new starter/generator drive Garlock seal P/N 3022375. Replaced worn clamps as needed. Ground ran aircraft. Operational and leak check good. Work performed IAW Cessna 425 Maintenance Manual Rev. 6 dated September 1, 2007/Temp. Rev 27-1 dated August 1, 2021. and P&WC PT6A-112 Maintenance Manual Rev. 61 dated 01-08-2024.

I CERTIFY THAT THE ABOVE STATED MAINTENANCE AND/OR INSPECTION WAS PERFORMED IN ACCORDANCE WITH THE CURRENT REGULATION OF THE FEDERAL AVIATION ADMINISTRATION, AND THE ARTICLE/AIRCRAFT IDENTIFIED ABOVE IS PRESENTLY AIRWORTHY WITH RESPECT TO THE WORK PERFORMED AND APPROVED FOR RETURN TO SERVICE.

Completed By Yingling Aviation
P.O. Box 9248, Wichita, KS 67277
FAA CRS #YN8R621Y
Phone 316-943-3246

Signature:
Jeffery A. Eckhardt



Date Completed
Work Order #
Recorded Hours
A/C Total Time
Total Landings

03-18-2024
SVC28687
7,022.3
7,022.3
Not
Provided

Eng. Total Hrs.
Eng. TSO
Total Cycles
Cyc. Since O/H

7,022.3
3,564.7
Not
Provided

EAST TEXAS TURBINES, INC.

Tyler Pounds Field

Tyler, Texas 75704

903-595-6366

12-12-2024

H.M. 7240.8

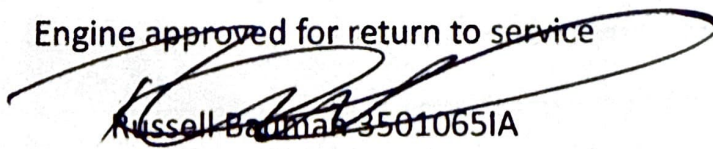
N425TB

TSO: 3783.2

L/H PCE-12142

1. Complied with Phase 2, 3, and D inspections in accordance with FAR 91.409 F (3).
2. Complied with 100 hour/ minor inspections in accordance with EMM 3030442.
3. Complied with 400 hour borescope inspection.
4. Complied with 400 hour fuel nozzle replacement. Nozzles overhauled by CRS# QTFR573L.
5. Engine ground run/ leak checks satisfactory.

Engine approved for return to service


Russell Bauman 3501065IA