

RIDGEAIRE
WORLDWIDE AVIATION

JOHNSON AVIATION
TYLER, TEXAS · KTYR



MAINTENANCE RECORDS

RIGHT ENGINE

N425TB | Pratt & Whitney PT6A-112

SERIAL NUMBER	PCE-12143
POSITION	Right (#2)
OVERHAUL	Airwork Corp., Millville, NJ
OVERHAUL DATE	August 17, 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

RIGHT

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 4

Aircraft Registration No. ~~N1906K~~ N425TB

Engine Manufacturer Pratt Whitney

Model PT6A-112

Serial No. PCE 12143

Date installed on aircraft Feb. 20, 1981

Time Between Overhauls (TBO) 3500 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

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

RH 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 Buehly AP563062129

TETON AVIATION CENTER DRIGGS, IDAHO 83422

N425TB TTAF 5019.9 FHM 5019.9

REMOVED START/GEN S/N 435 P/N23078-007 FOR OVERHAUL, INSTALLED AFTER OVERHAUL, POST INSTALLATION OPERATIONAL CHECK, OK! POWERPLANT APPROVED FOR RETURN TO SERVICE.

Jack Buehly

AP563062129IA

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 Buehly

AP563062129IA

TETON AVIATION CENTER

PO BOX 869
675 AIRPORT RD
DRIGGS, ID 83422

INVOICE #	222
DATE	10/29/1999
TACH./HM.	5137.1

PERFORMED PHASE 2 INSP PER CESSNA 425 INSP GUIDE AND P&W M/M TABLE 601. REPLACED IGNITORS DUE TO EXCESSIVE WEAR. GROUND RUNS & 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.

Jack Buehly AP563062129

SUB-TOTALS this 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
				TOTALS brought forward from previous page



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

RIGHT ENGINE LOGBOOK INSERT

ENGINE MAKE Pratt & Whitney MODEL PT6A-112 S/N PCE 12143
 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. Installed new propeller flange seal P/N 3026652, o-ring and gasket. Replaced the prop tach shaft seal and gasket. The fuel nozzles are inspected and flow checked per EMM 73-10-05 no discrepancies noted. Inlet and outlet fuel filters are inspected. No discrepancies noted. Chip detector function tested performed at this time. No discrepancies noted. Tightened screws on overspeed governor test solenoid and resafetied. Operation tested normally. Repaired inlet air box chafed holes as required. Oil sample was taken and shipped for S.O.A.P analysis. - - 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 28 March 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.

RIGHT ENGINE LOGBOOK INSERT

ENGINE MAKE Pratt & Whitney MODEL PT6A-112 S/N PCE 12143
 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. - - 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 January 10, 2001.
 Pertinent details are on file at this agency under Shop Work Order No. G3320.

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. FE6R532N

Chris Binford



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

RIGHT ENGINE LOGBOOK INSERT

ENGINE MAKE Pratt & Whitney MODEL PT6A-112 S/N PCE 12143
 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. G3320.

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. FE6R532N

Ronnie D. Bortz

SUB-TOTALS this page

TOTALS—Carry forward to next page

TETON AVIATION CENTER

PO BOX 869
675 AIRPORT RD
DRIGGS, ID 83422

INVOICE #

6

DATE

8/8/2001

TACH./HM.

5417.1

Overhauled r/h inertial air separator installed, p/n 9910530-3, see form 8130-3, operational check- OK

I CERTIFY THAT THE REPAIRS/INSPECTIONS IDENTIFIED ABOVE WERE PERFORMED IN ACCORDANCE WITH FAR'S AND IS APPROVED FOR RETURN TO SERVICE. *Andrew Paul A+P 144466448 IA*



PHONE 208-338-1800

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

RIGHT ENGINE LOGBOOK INSERT

ENGINE MAKE PRATT & WHITNEY MODEL PT6A-112 S/N PCE 12143
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.

RIGHT ENGINE LOGBOOK INSERT

ENGINE MAKE PRATT & WHITNEY MODEL PT6A-112 S/N PCE 12143
ENG TTIS: 5510.0 SMOH: 2052.2 CYCLES: 4827 Installed on Acft N425TB HOBBS: 5510.0

Phase 3 Inspection performed as per the Cessna 425 CCIP (Continuous Inspection Program Method II) listed in Cessna Document Number D2535-5-13, Revision 5, dated 1 June 2000, 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.

Installed a factory new oil pressure switch, part number 9910287-16, serial number 3641. Operational and leak checks performed with no discrepancies noted. The serial number of the removed switch was 2450.

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.

Internally lubricated the right propeller control cable. Subsequent operational checks are normal. -- 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 TT 5571.4 INSPECTED ENGINE IAW PHASE 2 INSPECTION
CHECKLIST AND PER PRATT & WHITNEY MAINTENANCE
MANUAL INSPECTION TABLE 601 T.V.B. 5/8/31/01

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
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+P144466448 IA



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 Prat & 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.

[Signature]

518151347 AP

PRATT & WHITNEY PT6A-112
SN: PCE-12143
TSN: 5713.8
CSN: 4934
TSO: 2256.0
CSO: 1685
W/O: 6336S

WEST STAR

ENGINE ENTRY, PG. 1

POSITION #2
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

SUB-TOTALS this page

TOTALS—Carry forward to next page

Aero Maintenance Inc.

Wichita Falls, TX 76305

Model No: PT6A-112

Serial No.: PCE12143

RH 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] A6P55125826914

Date: 6-25-2005

Hrmtr: 5850.5

Type: P&WC

Aero Maintenance Inc.

Wichita Falls, TX 76305

Model No: PT6A-112

Serial No.: PCE12143

RH 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) Replaced Chip Detector with new Chip Detector P/N 3045951-02 S/N D373 supplied by Cessna Aircraft Company (See 8130-3 approval tag).
- 3) Complied with Pratt & Whitney Periodic Minor and Routine inspections in accordance with table 601.

Signature

[Signature] A6P467375355

Date: Jan 11th 2006

Hrmtr: 5912.4

Type: P&WC

Aero Maintenance Inc.

Wichita Falls, TX 76305

Model No: PT6A-112

Serial No.: PCE12143

RH Engine N425TB

Total Time: 5912.4

SMOH: 2454.6

Maintenance accomplished

- 1) Removed propeller governor for repair. Reinstalled propeller governor P/N 8210-002AE S/N 1578288 after repair by International Governor Services Inc. CRS# IG0R976N (See 8130-3 Approval tag).
- 2) Replaced propeller governor air bleed lever arm linkage connector rod end with new connector rod end P/N 3008787 supplied by Cessna. (See 8130-3 approval tag)

Signature

[Signature] A6P521045177

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
------	--------------------------------	------------------------------------	---------------------------------------	---

Date: March 15th 2006**Aero Maintenance Inc.**

Right Engine N425TB

Hrmtr: 5932.0

Wichita Falls, TX 76305

Total Time: 5932.0

Engine: P&WC

Model No: PT6A-112

Serial No.: PCE 12143

SMOH: 2474.2

CIR: 5123

CSHSI: UNK

CSMOH: 1874

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 # 7941)
- 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

SR AP521045177IA

WATER ANALYSIS REPORT

DATE: 10/10/2010

TIME: 10:00

LOCATION: 1000

ANALYST: J. Smith

LABORATORY: 1000

PROJECT: 1000

DATE: 10/10/2010

TIME: 10:00

LOCATION: 1000

ANALYST: J. Smith

LABORATORY: 1000

PROJECT: 1000

DATE: 10/10/2010

ANALYSIS RESULTS

Amount:

Material:

1000

1000

1000

1000

1000

1000

1000

1000

1000

FILTER ANALYSIS RESULTS

1000

1000

1000

1000

1000

1000

1000

1000

1000

FILTER ANALYSIS RESULTS

1000

DATE: 10/10/2010

DATE

TOTAL
TIME
IN
SERVICETOTAL
TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORKDate: October 19th 2006**Aero Maintenance Inc.**

Right Engine N425TB

Hrmtr: 6004.1

Wichita Falls, TX 76305

Total Time: 6004.1

Engine: P&WC

Model No: PT6A-112

Serial No.: PCE 12143

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) Removed fuel control at customers request for bench check. Reinstalled Honeywell fuel control P/N 3244745-3 S/N A72327 after repair by International Governor Services Inc. CRS# IGOR976N.
(See 8130-3 approval tag)
- 7) Serviced engine as needed with BPTO 2380 turbo oil.
- 8) Removed Starter / Generator for overhaul. Reinstalled Starter / Generator P/N 23078-007 S/N 435 after overhaul by API Technologies CRS# IC9R999J. (See 8130-3 approval tag)
- 9) 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

[Signature] AWP 521045177IADate: July 27th 2007**Aero Maintenance Inc.**

Right Engine N425TB

Hrmtr: 6107.2

Wichita Falls, TX 76305

Total Time: 6107.2

Engine: P&WC

Model No: PT6A-112

Serial No.: PCE 12143

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

[Signature] Waddell AM 462375355

TOTALS—Carry forward to next page

DATE

TOTAL
TIME
IN
SERVICE

TOTAL
TIME
SINCE
OVERHAUL

TACH OR
RECORDING
METER
TIME

Aero Maintenance Inc.

Date: September 28th 2007

Hrmtr: 6137.0
Engine: P&WC
CIS: 5298

Model No: PT6A-112
CSHSI: UNK

Wichita Falls, TX 76305

Serial No.: PCE 12143
CSMOH: 2049

Right Engine N425TB
Total Time: 6137.0
SMOH: 2679.2
TSHSI: 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.
- 3) Pratt & Whitney Periodic Minor and Routine inspection items complied with.
- 4) Pratt & Whitney 100 Hour Chip Detector inspection and test complied with.
- 5) Pratt & Whitney 200 to 400 Hour fuel nozzle flow check and overhaul complied with by Tennessee Aircraft Co. CRS# QTFR573L. (See 8130-3 approval tag)
- 6) Pratt & Whitney 600 Hour Fuel pump inlet screen cleaning complied with.
- 7) Pratt & Whitney 600 Hour Fuel pump outlet filter replacement complied with.

Maintenance accomplished

- 1) Replaced compressor inlet screen with new inlet screen 3112496-01 supplied by Cessna. (See 8130-3 approval tag)
- 2) 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  AEP 2844378

Date: August 5th 2008

Hrmtr: 6204.4
Engine: P&WC
CIS: 5368

Model No: PT6A-112
CSHSI: UNK

Wichita Falls, TX 76305

Serial No.: PCE 12143
CSMOH: 2119

Right Engine N425TB
Total Time: 6204.4
SMOH: 2746.6
TSHSI: 1354.8

Aero Maintenance Inc.

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  AEP 2844378

N425TB
ENG: S/N PCE-12143 RT
TT ENG: 6214.8 Tcvc: 5474

Thunder 
AVIATION

DATE: 2-12-2009
TTAF: 6214.8
SMOH: 2750.0

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

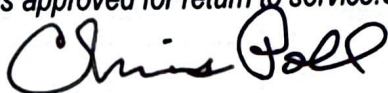
1. C/W 4,5,6 and D Inspection IAW 425 MM chapter 5 and Pratt & Whitney Periodic Inspection requirements.

2. Engine ground run and performance 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:



CRS T0DR376I

Aero Maintenance Inc.

August 1, 2009

Wichita Falls, TX 76308

Page 1 of 1

Right Engine

Make: Pratt & Whitney
Model: PT6A-112
S/N: PCE 12143

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 & Whitey **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.



Christopher Gered AP 465516333IA

Dec.
August 15 2009

Aero Maintenance Inc.

Wichita Falls, TX 76308

Page 1 of 1

Right Engine

Make: Pratt & Whitney

Model: PT6A-112

S/N: PCE 12143

Hr Mtr: 6303.7

Total Time: 6303.7

TSMOH: 2840.4

TSHSI: 1454.1

CIS: 5556

CSMOH: 2307

CSHSI: UNK

Maintenance Accomplished

- 1) Remove fuel pump for repair. Reinstall after repair by International Governor Services.
- 2) Remove fuel control for repair. Reinstall after repair by International Governor Services.
- 3) Engine ground run and leak checks complied with and found satisfactory.

I certify that this work has been performed in accordance with current Federal Aviation Regulations and the current Cessna 425 maintenance manual.

Date: 8-15-09

Signature: Stan Weddell A-H 3564617

AERO MAINTENANCE INC.

Wichita Falls TX 76307

Date: 04/07/2010

Type :Cessna

Hrmtr. 6323.9

Model: 425

N425TB

Serial #: 425-0068

Maintenance accomplished

- 1) Reinstalled altitude alerter after repair by Mid-Continent. (see 8130)

Work accomplished in accordance with current Cessna 425 maintenance manuals.

Signature and Rating Stan Weddell A-H 3564617

SUB-TOTALS this page

Page No

Sept 9, 2010

DATE

Right Engine

Make: Pratt & Whitney

Model: PT6A-112

S/N: PCE 12143

Hr Mtr: 6340.0
Total Time: 6340.0
TSMOH: 2882.2
TSHSI: 1490.4
CIS: 5591
CSMOH: 2342
CSHSI: UNK

Inspection Accomplished

Cessna 425 Phase 2 Engine Inspection Items
Cessna 425 Phase 3 Engine Inspection Items
Pratt & Whitey 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.

[Signature] ACP349784213

May 13, 2011

Right Engine

Make: Pratt & Whitney

Model: PT6A-112

S/N: PCE 12143

Hr Mtr: 6390.8
Total Time: 6390.8
TSMOH: 2933.0
TSHSI: 1541.2
CIS:
CSMOH:
CSHSI: 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 & Whitey Table 601 Minor and Routine Periodic Inspection Items.

Maintenance Accomplished

- 1) Engine ground run and leak checks complied with and found satisfactory.
2) Serviced engine with BP-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, was determined to be in an airworthy condition is approved for return to service at this time.

Signature and Rating

[Signature] AP465576333

Date

5-13-11

Aero Maintenance Inc.

Sept 13, 2012
of 1

Wichita Falls, TX 76308

Page 1

Right Engine

Make: Pratt & Whitney
Model: PT6A-112
S/N: PCE 12143

Hr Mtr: 6433.2
Total Time: 6433.2
TSMOH: 2975.4
TSHSI: 1583.6
CIS:
CSMOH:
CSHSI: UNK

Inspection Accomplished

Cessna 425 **Phase 2** Engine Inspection Items

Cessna 425 **Phase 3** Engine Inspection Items

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) Serviced engine with BP-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 and 3 inspection was determined to be in an airworthy condition is approved for return to service at this time.

Signature and Rating *[Signature]* AP465516333

Date 9.13.12

Aero Maintenance Inc.

May 1, 2013

Wichita Falls, TX 76308

Right Engine

Make: Pratt & Whitney
Model: PT6A-112
S/N: PCE 12143

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 D 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

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 inspection was determined to be in an airworthy condition is approved for return to service at this time.

Signature and Rating *[Signature]* AP 3686339

Aero Maintenance Inc.

Wichita Falls, TX 76308

June 5, 2014

Right Engine

Make: Pratt & Whitney
 Model: PT6A-112
 S/N: PCE 12143

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 D 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) P&W 100 hr chip detector inspection and test complied with and found satisfactory
- 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

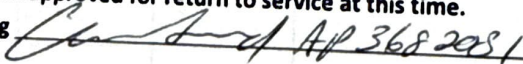
Aero Maintenance Inc.

Wichita Falls, TX 76308

June 5, 2014

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


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

R/H ENGINE

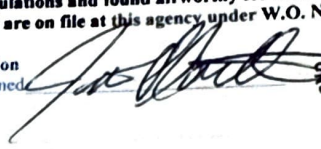
PERFORMED PHASE 2A
 PERFORMED PHASE 3A
 PERFORMED PHASE DA
 PERFORMED PHASE 7
 PERFORMED PT6 100HR

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. GK2R349K

signed

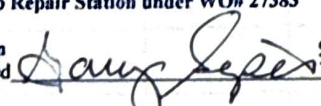


DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				<u>Calkins Aero Service Inc.</u> West Houston Airport 18000 Groeschke Rd. Houston, TX 77084 Date: 6/15/2016 N425TB ACT16561.1 TSOH13103.3 RT Eng
				PERFORMED PHASE 2(b) PERFORMED PHASE 3(b)
				The aircraft and/or component identified above was repaired and inspected IAW current Federal Aviation Regulations and found airworthy for return to service. Pertinent details of the repair are on file at this agency under W.O. No. 25919
				Calkins Aero Service Inc. FAA Certified Repair Station No. GK2R849K signed  Calkins Aero Service Inc. GK2R849K

Calkins Aero Service Inc.

West Houston Airport
18000 Groeschke Rd.
Houston, TX 77084

DATE: 12/11/2017 N425TB HOBBS: 6617.6

WORK PERFORMED: RIGHT ENGINE
C/W PHASE 7 OIL CHANGE FOR AIRCRAFT FLYING LESS THAN 50 HRS
MONTHLY. CHANGED OIL AND FILTER, SERVICED ENGINE WITH 8 QTS OF 2380
TURBO OIL, WASH, RUN, AND LEAK CHECKED OK.
REPLACED ONE IGNITER WITH NEW PN#10-390667-1.
I certify that the work performed was carried out in accordance with 14 CFR 43 and was
determined to be in an airworthy condition.
Details on file at Calkins Aero Repair Station under WO# 27383
Calkins Aero Service Inc.
FAA Certified Repair Station
No. GK2R849K signed  Calkins Aero Service Inc. GK2R849K

Lyddon

Aero Center INC

N425TB

HM:6847.0

Date: 09-7-22

PCE-12143

ETT: 6847.0

ETC: 6274

Complied with the following:

- Split Engine at the "C" flange for Hot Section Inspection.
- Removed Hot Section components for repair.

ETSN: 6847.0

TC: 6274

TSOH: 3398.2

CSOH: 3025


William N. Lyddon AP3690949

SUB-TOTALS this page

TOTALS—Carry forward to next page

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:12143

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:4H136 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: PWC87M556
3. Bench tested and repaired the compressor bleed valve PN:3029174 SN:1A441. 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

RH

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.
- 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

**Right (#2) Engine Logbook Entry, by Yingling Aviation for: N425TB Cessna 425-0068
Pratt & Whitney Canada PT6A-112 S/N PCE-12143**

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. Installed new prop shaft seal P/N 3114661-01 & gasket P/N 3039954. Installed new heil-coil for prop shaft drain and installed new fitting. 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 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

R/H PCE-12143

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# QTR573L.
5. Engine ground run/ leak checks satisfactory.

Engine approved for return to service

Russell Bauman 3501065IA