



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. 431DL

TEXTRON LYCOMING

MODEL: IO-360-A1B6D _____

SERIAL#: L-14190-51A _____

Date installed on aircraft 5-22-02

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> Right | <input type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |



AEROTECH PUBLICATIONS INC.

www.adlog.com
PO BOX 1359 / SOUTHOLD, NY 11971-0965
(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

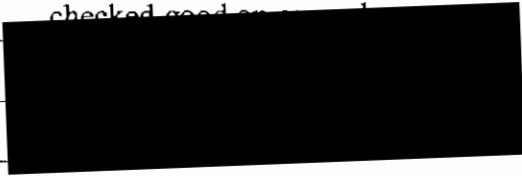
DATE



2650 West Shamrell Blvd
Flagstaff Pulliam Airport
Flagstaff, AZ 86001
(928) 779-9585
Fax (928) 779-9586

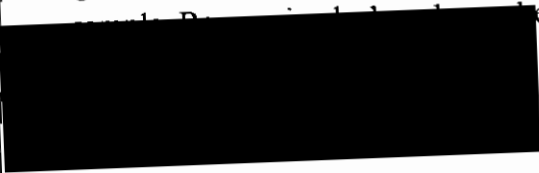
ARMED—
PERFORMING WORK

May 22, 2002 **N431DL** Tach time: 3922.8 TSMOH: 0.0
Installed overhauled engine IO-360-A1B6D S/N L-14190-51A.
Service with 8 Qts aeroshell mineral oil, ran engine leak and ops
checked good.



2650 West Shamrell Blvd
Flagstaff Pulliam Airport
Flagstaff, AZ 86001
(928) 779-9585
Fax (928) 779-9586

July 23, 2002 **N431DL** **Tach: 3956.6**
W/O 02-364
Drained oil removed filter cut open no debris found. Installed
CFO-100 filter added 8 Qts aeroshell 100 mineral cleaned took oil
checked good.



11-15-02
TAC 4012.6

Replaced starter w/overhauled and tested
unit. Ser # 3030301, PN# MZ 4206,
ground test good. See log for yellow tag



SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE

TO
TI
SEF

2650 West Shamrell Blvd
Flagstaff Pulliam Airport
Flagstaff, AZ 86001
520.779.9585
520.779.9586 fax

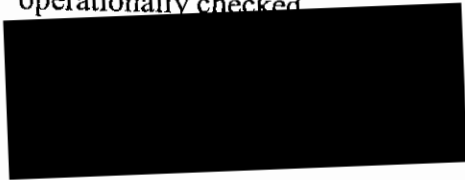
TIMING WORK

July 10, 2003

N431DL

Tach: 4132.3

Installed overhauled starter from Falcon Aircraft Accessories, PN MZ-4206. Internally timed magneto. Ground ran and operationally checked.



2650 West Shamrell Blvd
Flagstaff Pulliam Airport
Flagstaff, AZ 86001
520.779.9585
520.779.9586 fax

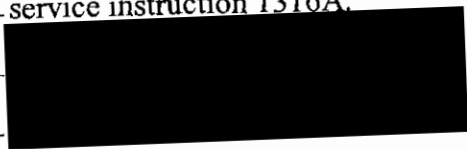
July 17, 2003

N441DL

Tach: 4137.3

WO# 03-0725

Re-surfaced thermostatic valve seat in accordance with Lycoming service instruction 1316A.



8-11-03 TACH 4151.

Replaced waste lines and tubes, Replaced Turbo Compressor oil lines and scatt tubing To Turbo and eng air inlet. Comp ck #1 78/80 #2 78/80 #3 78/80 #4 78/80. ckd gapped, cleared and adjusted valves. All ckd and C'w to date.

I certify this airframe engine
has been inspected in accordance
with annual/100 hour inspection and determined
to be in an airworthy condition.

Jerry Wilkerson APTIA

SUB-TOTALS this page

TOTALS—Carry forward to next page

1. UNITED STATES

2.

FAA FORM 8130-3

AIRWORTHINESS APPROVAL TAG

U.S. Department of Transportation
Federal Aviation Administration

3. System Tracking Ref. No.
021-85

4. Organization

Professional Aircraft Accessories Inc 188 West Main Street Amelia OH 45102 513-732-3361

5. Work Order, Contract, or Invoice Number:

4071

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	MAGNETO	10-382555-11	TBV BY INSTALLER	1	R927244K	OVERHAULIED

13. Remarks

OVERHAULIED & TESTED PER X40000 O/H MANUAL.
AD96-12-07 AD82-20-01-AD78-18-04-80-17-14-AD82-11-05 C/W.
S/B 587-590A-600-605A-617B-623A-631-639-MSB645-CSB622A-584B-588-SB658-626 C/W.

Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.

14.

New

Newly Overhauled

☐
☐

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.

NOTE: in case of parts to be exported, the special requirements of the importing country have been met.

15. Signature

16. FAA Authorization No.

20. Authority

21. Certificate Number:

PO5R554Y

17. Name (Typed or Printed):

18. Date:

Michael L Grow

23. Date:

5-6-02

1. UNITED STATES

2.

FAA FORM 8130-3**AIRWORTHINESS APPROVAL TAG**U.S. Department of Transportation
Federal Aviation Administration

3. System Tracking Ref. No.

INV #2351

4. Organization

Signature Engines, Inc., 4204 Airport Road, Cincinnati, OH 45226 Repair Station #E5ZR316Y

5. Work Order, Contract, or Invoice Number:

E1318

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/ Batch Number	12. Status/Work
1	TEXTRON LYCOMING ENGINE	I0-360-A1B6D	Various--to be verified by installer	1	L-14190-51A	Overhauled

13. Remarks

THIS ENGINE HAS BEEN OVERHAULED IN ACCORDANCE WITH THE APPLICABLE LYCOMING MANUALS. A LIST OF ALL PARTS, F.A.A. AIRWORTHINESS DIRECTIVES, AND MANUFACTURER'S SERVICE BULLETINS COMPLIED WITH ARE A PART OF THESE RECORDS. ALL PARTS HAVE BEEN INSPECTED AND HAVE BEEN DETERMINED AIRWORTHY TO RETURN TO SERVICE. ENGINE TEST RUN PER OVERHAUL MANUAL. TEST SHEET FURNISHED. THIS ENGINE IS AIRWORTHY FOR RETURN TO SERVICE.

PARTS AND ACCESSORIES REPLACED:

4 EA. STEEL CYLINDERS
1 EA. FUEL INJECTION
1 EA. FUEL PUMP
2 EA. MAGNETOS

1 EA. HARNESS
1 SET. PLUGS
1 EA. CRANKCASE

T.S.M.O.H. 0.0 HRS
T.T. ENGINE: 3922.8 HRS

Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.

14. New ☐
Newly Overhauled ☐

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.

NOTE: 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.

17. Name (Typed or Printed):

18. Date:

DOUGLAS P. KLEEMAN CHIEF INSPECTOR

21. Certificate Number:

E5ZR316Y

23. Date:

5/14/02

Airworthiness Approval Tag

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.

Model D4LN-2021Part No. 10-382555-11Serial No. R927244KWork Order No. 021-85Technician HUTCHDate 5-6-02

This unit was disassembled, cleaned, inspected, reassembled, and tested in accordance with current manufacturer's overhaul manual specifications and in accordance with current F.A.A. regulations concerning this unit.

**The Following Parts Have Been Replaced
(All Other Parts Are Serviceable)**

**O/H MANUAL
NO X40000**

Qty.	Part#	Desc.	Qty.	Part#	Desc.	Qty.	Part#	Desc.
1	10-400623	BEARING	4	10-35936-7	SCREW			
1	10-382971	BEARING	2	10-160844	BRUSH			
2	10-382585	POINTS	2	10-391309	WASHER			
1	10-391213	SCREW	4	10-349511	WASHER			
4	10-382789	SCREW	2	10-50752	WASHER			
1	10-92815-62	RING	2	10-163374	FELT			
2	10-92815-37	RING	2	10-90788-5	KEY			
4	10-382788	WASHER	2	10-682014	GEAR KIT			
1	10-90751-18	PIN						
2	10-382568	STRIP						
4	10-35937-20	SCREW						

In some instances F.A.A. approved P.M.A. parts are used other than the original manufacturer's

AD No.	Rev. Date	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date
96-12-07		INSPECTED IMPULSE		YES	500 HR
78-18-04		INSPECTED SHIMING OF ROTOR		YES	AT O/H
82-20-01		INSPECTED IMPULSE	YES		
80-17-14		INSPECTED HOUSING	YES		
82-11-05		INSPECTED GEARS	YES		

Service Bulletins Complied With

587	617B	MSB645	SB658					
590A	623A	CSB662A	626					
600	631	584B						
605A	639	588						

Signature _____

Date 5-6-02

This unit is approved for return to service

1318

2351

三
 三
 三
 三
 三

4204 Airport Road ▲ Cincinnati, Ohio 45226
513/871-9966 ▲ fax 513/871-9261

NAME _____

DATE _____

WISEMAN AVIATION
2650 W. SHAMSELL BLVD
FLAGSTAFF AZ 86001

4-30-02

MATERIAL USED			
QUAN.	PART NO.	DESCRIPTION	PRICE
4		STEEL RE-BARREL CYLINDERS	INCL
1		FUEL INJECTION	INCL
1		FUEL PUMP	INCL
2		MAGNETOS	INCL
1		HARNESS	INCL
1		SET PLUGS	INCL
1		CRANKCASE REPLACEMENT	INCL

[illegible]

LIMITED WARRANTY

MAILED
03 JUN 02
W.O. E1318

MODEL # IO-360-A1B6D

SERIAL # L-14190-51A

DATE: 5-16-02

Signature Engines, Inc. warrants each overhauled engine to be free from defects in material and workmanship, under normal use and service, for 300 hours of operation or one year from date of sale, whichever occurs first, in accordance with the following conditions:

- a. Signature Engines, Inc. is notified before any repairs are performed;**
- b. Signature Engines, Inc. shall have the option to furnish any part necessary for repair;**
- c. All accessories purchased will be warranted per that respective vendor's warranty. Signature provided after 300 hours of operation or one year from date of sale, whichever occurs first. The engine Engines, Inc.'s warranty is for the engine only;
and**
- d. All repairs are performed on a standard charge basis and must be agreed to prior to any warranty work being accomplished. All labor charges paid on a flat rate labor schedule furnished by the manufacturer.**

The engine is further warranted on a pro-rated basis to TBO except that no labor allowance will be provided after 300 hours of operation or one year from date of sale, whichever occurs first. The engine proration is based on the ratio of hours logged or at the rate of 40 hours per month, whichever is greatest, over the TBO of the engine. No other express warranty and no affirmation of the seller, agent, employee, or representative, by words or actions, shall constitute a warranty unless specifically included within this written warranty.

This warranty is exclusive and in lieu of all other warranties and representations, express, implied, or statutory, whether oral or written, including but not limited to any warranty of merchantability or fitness for any particular purpose, and any implied warranty arising from any course or performance or dealing or trade usage. This warranty is also in lieu of any other obligation, liability, right, or claim, whether in contract or in tort, including any right in strict liability in tort, or any right arising from negligence on the part of Signature Engines Inc. Signature Engines, Inc.'s liability on such claim shall in no case exceed the price allocable to the engine or part which gives rise to the claim.

In no event, whether as a result of a breach of warranty, contract, or alleged negligence, shall Signature Engines, Inc. be liable for special, consequential, or other damages, including but not limited to loss of profits or revenues, loss of use, or those expressly, in writing, agreed to by Signature Engines, Inc.

WARRANTY VALIDATION

Must be completed and returned within 45 days in order to validate your warranty:

- 1. I have read, and understand the warranty provided on my engine, and agree that all claims will be handled according to the provisions of that warranty.**
- 2. Signature Engines, Inc. accepts no responsibility for any loss of use of aircraft or Engine due to a malfunction of the engine or component part.**

SIGNED _____

DATE _____

WORK ORDER #: AH - 13033

DATE: 11/11/02

ORDER #: 203428



Turbine Rotables

3414 West 29th Street South
Wichita, KS 67217
(316) 943-6100 • Fax: (316) 943-2917
FAA Certified Repair Station NV2R045L



AH - 13033

TR S/N: AH - 8991

BILL TO: 47300
CESSNA AIRCRAFT COMPANY
CESSNA PARTS DISTRIBUTION
DEPT 853 PO BOX 949
WICHITA, KS 67201

PART # 105932-E
HYDRAULIC POWER PACK

MANUFACTURER:
PRESTOLITE

MFG. S/N:

CUSTOMER PO#:
1056752/312628

REPAIR CODE: 0

SHIP TO: 47300
CESSNA AIRCRAFT COMPANY
CPD2 RECEIVING DEPT 702
5800 E PAWNEE
WICHITA, KS 67218

DESCRIPTION: OVERHAUL AND CERTIFY CUSTOMER UNIT

CPD Tag#: 10187

INSPECTION RECORD	DATE	INIT	QTY.	RUN	PART
HIDDEN DAMAGE	11-12-02		2	N	1) 104921: BALL .219GR25
PRELIMINARY	11-12-02		1	N	2) 105019: SHELL
IN PROCESS	NOV 12 2002		1	N	3) 105310: STRAINER
FINAL INSPECTOR	NOV 12 2002				4) 105327: SPIROL PIN
MAINTENANCE RELEASE			1	N	5) 105330S: O RING PK 63-82A
THIS ITEM IS AIRWORTHY			1	N	6) 105929: VALVE HOUSING ASSY
			1	N	7) 90-479: SHIM PK NLA
			2	N	8) 90-793: FILL SCREW
			1	N	9) AN505416-8: SCREW POLE SHO
OM PP-322			1	N	10) EPG18S: SPRING SET 50-270
			1	N	11) ERH2202: C E HOUSING 40-24
			1	N	12) ERH2501CS: FRAME & FIELD40
			1	N	13) ERH2506B: ARM.41-130
			1	N	14) ERH2601S: FRAME & FIELD (L
			1	N	15) ESQ12S: BRUSH SET 106-3448
			1	N	16) ETH31A: GROUND LEAD ASSY.
			1	N	17) HYC-1323: SPOOL ASSY
			1	N	18) HYC-201: SPRING
			1	N	19) HYC-325A: VALVE ASSY
			1	N	20) HYC-326: VALVE SEAT
			2	N	21) HYC-61H: BALL SEAT
			1	N	22) HYC-70: VALVE CORE
			3	N	23) HYC2056CS: VALVE AND GEAR6
			3	N	24) MS28775-011: O RING
			3	N	25) MS28775-012: O RING
			2	N	26) MS28775-013: O RING
					27) X1609: STEELE BALL 104986

FUNCTIONAL TEST

PUMP RELIEF
THERMAL RELIEF 2500 2100/2500
HIGH PUMP P.S.I. 2000 1600/2000
LOW PUMP P.S.I. 1900 1500/1900
ROTATION OK
END PLAY OK
VOLTS 12
AMPS NO LOAD

INSPECTOR STAMP:

DATE: NOV 12 2002



***SPECIAL INSTRUCTIONS**

Warranty Determination -

Insp

Date NOV 12 2002

Mec

Date 11-12-02