

75216E

The Standard



ENGINE LOG

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Lycoming MODEL I0-360-A3B6D

SERIAL L-24731-51A TYPE CERTIFICATE IEIO

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT M20J N5216E 24-1658

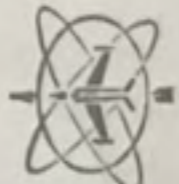
MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

The Standard

 **ENGINE LOG**

DATE 1989	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-27	82.1			<p>Changed oil + Filter. Serviced w/ 89ts Aeroshell 15w50. Washed engine Run up and leak check OK. See Epps W.O. 9A191. David Bird AP254353978.</p> <p>STOPPED OIL LEAK AT TRANSDUCER</p>
4/25/89	131.8			<p>CHANGED OIL + FILTER, SERVICED W/8900 AEROSHOCK 15W50. WASHED ENGINE & RAN UP & LEAKS CHECKED. EPPS W.O. W.O. 9D165 Epps Call Ref 509-46-8192</p>

DATE 19 <u>89</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/9/89			188.8	H.M.
check	1. 70/80	2. 72/80	3. 70/80	4. 74/80 changed oil, Aero Shell 15w50 & Filter, Compression

Engine

I certify that this aircraft has been inspected in accordance with a Annual inspection per Mooney Annual Insp Guide FAR 91-169 (A) (1) and was determined to be in airworthy condition.

WO# 9K012 Date 6/9/89 Total Time 188.8 H.M.

Signed R.W. Mulvaney for

EPPS AIR SERVICE INC
 FAA REPAIR STATION ESMR 688 D
 DEKALB-PEACHTREE AIRPORT
 ATLANTA, GA. 30341
 (404) 458-9851

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/10/89	TAC	Time	0271.2	<p>CHANGED OIL AND FILTER THIS DATE. SERVICED ENGINE WITH 80TS ARMO SHELL 15W50. TESTS RUN ENGINE AND LEAK CHECKED. ✓ OK</p> <p>SEE EPPS W.O. # 9H045 DAVID PATTIS A&P #28683505</p> <p>END →</p>
10-12-89	341.7		341.7	<p>CHANGED OIL AND FILTER (SHELL 15-50) THIS DATE. RUN UP AND LEAK CHECK GOOD. NUBEL for A&P 570909999</p> <p>SEE EPPS AIR SERVICE W.O. # 9J104</p> <p>— NOTHING FOLLOWS —</p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7 Dec 88	Tach: 400.4			<p>• Changed oil; Filter; new CH48103 Filter; 8 qts Aeroshell SAE 15W50 oil. Checked Filter element; suction screen for unusual particles; none found. Washed engine and run-up w/o any leaks or other defects noted. For further info see Eps W.O. # 92050. Tad K. Colby - A: 7054487782 End</p>
26 Feb 90	Tach: 439.4			<p>• Changed oil; Filter; 8 qts Aeroshell SAE 15W50 & new CH48103 Filter. Checked Filter element; suction screen for unusual particles; none found. Washed engine; run-up w/o any leaks or other defects noted. Took wear check sample # WC-109441. For further info see Eps W.O. # 03200. - Tad K. Colby A: 7054487782</p>

DATE 19 <u>90</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/3/90	494.2		494.2	<p>Replaced - All 8 spark plugs changed. Engine oil, checked filter no contamination found service system with ² AeroShell 15W 50, compression check #1) 75 #2) 75 #3) 72 #4) 72, complied with AD 90-04-06 (a) 1. Steel B nut installed c/w ^{AD} 84-26-02 Replaced induction Air filter, c/w AD 78-09-07 R3 impulse coupling checks good due again at 994.2 hrs, Replaced both mag points and timed Detail on file at EPPS AIRSERVICE ATL GA, ESMR 688D under WO # 06182</p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				<u>Engine</u>
				I certify that this aircraft has been inspected in accordance with a <u>AN</u> <u>annual</u> inspection per <u>MOONEY ANNUAL INSPECTION</u> <u>guide</u> , FAR 91-169 (A) (1) and was determined to be in airwothy condition.
				WO# <u>OG182</u> Date <u>8/1/90</u> Total Time <u>494.2</u>
				Signed <u>Eric Crossfield</u> for
				EPPS AIR SERVICE INC. FAA REPAIR STATION ESMR 688 D DEKALB-PEACHTREE AIRPORT ATLANTA, GA. 30341 (404) 458-9851

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-19-90	551.2		551.2	<p>Drained oil, removed filter + chkd. for contaminants, none found, installed New oil filter, CH48103 + serviced with 8QTs AeroShell 15W50, Run up + leak ck. O.K.</p>
				<p><i>Sam S. [Signature]</i> 11-19-90</p>
				<p>WO# <u>OK135</u></p>
				<p>EPPS AIR SERVICE INC. FAA REPAIR STATION ESMR 888 D DEKALB-PEACHTREE AIRPORT ATLANTA, GA. 30341 (404) 458-9851</p>

DATE 19 91 RECORDING TACH TIME TODAY'S FLIGHT TOTAL TIME IN SERVICE DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

2/18/91

591.2 Tach

CHANGED OIL & FILTER INSTALLED 8QT
 15W50 ARMOLEK AND FILTER CH48103. WASHED
 DOWN & RUN-UP CHECK, NO LEAKS FOUND

Signed R. Williams Date 2/18/91

WO # 1B915 for
 EPPS-AIR SERVICE INC.
 FAA REPAIR STATION ESMR 888 D
 DEKALB-PEACHTREE AIRPORT
 ATLANTA, GA. 30341
 (404) 458-9851

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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DEKALB-PEACHTREE AIRPORT
ATLANTA, GEORGIA 30341



N5216E M20J

30 May 91 Tach: 666.7 -Changed oil and filter; new CH48103 filter and 8 qts Aeroshell SAE 15w50 oil. Installed new mag gasket, p/n LW12681. No leaks or other defects noted upon ground run.

Signed Paul H. Langley Date 30 May 91

WO # 18207 for

EPPS AIR SERVICE INC.
FAA REPAIR STATION ESMR 688 D
DEKALB-PEACHTREE AIRPORT
ATLANTA, GA. 30341
(404) 452-0951

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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16 Aug 91 Tach: 696.60, AFTI 696.60, TSM: 696.60 • Changed oil / Filter;
 new CH48103 Filter / 8qts Aeroshell 15W50 oil. No
 unusual particles found in old Filter element or
 suction screen. **COMPRESSION CHECK** • Performed
 ground run; all
 operating parameters
 normal, no leaks or
 other defects noted.

1	2	3	4	5	6
80	80	80	80	80	80
72	74	73	73	-	-

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
16 Aug	(cont'd)			<p style="text-align: center;"><i>Engine</i></p> <p>I certify that this aircraft has been inspected in accordance with an <u>annual</u> inspection per <u>Mooney Inspection Guide</u> FAR 91.409 A) (1) and was determined to be in airworthy condition.</p> <p>Off. <u>1H870</u> Date <u>16 Aug 91</u> Total Time <u>696.60</u></p> <p>Inspected <u>Paul Kent Holyday</u> for</p> <p>EPPS AIR SERVICE INC. FAA REPAIR STATION ESMR 688 D DEKALB PEACHTREE AIRPORT ATLANTA, GA. 30341 (404) 458-9851</p>



EPPS

AVIATION

DEKALB-PEACHTREE AIRPORT
ATLANTA, GEORGIA 30341
(404) 458-9851

MODEL M20J SN M20J-24-1658 DATE 8-10-92

REG. NO. 5216E WO.# 2H006 HOBBS 828.1

TACH 0 TOTAL 828.1

DATE

1992

8-10-92

Hobbed

828.1

N: 5216E
: ENGINE

- : CW ANNUAL INSPECTION PER MOONEY M20J INSPECTION GUIDE.
- : COMP 1#75\80 2#71\80 3#75\80 4#75\80. CHANGE OIL & FILTER
- : ADDED 8QT AEROSHELL 15W50 AND INSTALLED A CH48103 FILTER.
- : REPLACED ALL 4 CYLINDERS EXHAUST GASKETS. REPLACED SHAFT
- : ASSY. SEAL ON RAM AIR DOOR. REPLACED HOUSING ON MAGNETO.
- : INSTALLED NEW INTAKE AIR FILTER. AD 92-12-05 AMENDMENT
- : 39-8265 PISTON PIN FAILURE D\N\A BY SN. INSTALLED OVERHAUL
- : STARTER. -----END-----

SIGNED Luben, Lubner DATE 8-10-92 ESMR 688 D



DEKALB-PEACHTREE AIRPORT
ATLANTA, GEORGIA 30341
(404) 458-9851

MODEL M20J SN: 24-1658 DATE: 5/19/93
REG. NO: N5216E WO:# 3E086 HOBBS: _____

TACH: 910.4 TOTAL: _____

MFG. AIRFRAME / ENGINE...: LYCOMING

: CHANGED ENGINE OIL AND FILTER USING 8QTS AEROSHELL 15W/50
: AND ONE CH48103 FILTER. CUT OPEN FILTER AND INSPECTED FOR
: CONTAMINANTS: NONE FOUND. REMOVED AND REPLACED ENGINE EXHA-
: UST MUFFLER WITH NEW P/N 630045-503. INSTALLED EXHAUST
: USING ALL NEW GASKETS AND HARDWARE. RAN ENGINE, NO LEAKS
: OR DEFECTS NOTED. ALL WORK DONE I/A/W MONEY AND LYCOMING
: SERVICE MANAUALS.

Signed *[Signature]* Date 5/19/93

WO # 3E086

EPPS AIR SERVICE INC.
FAA REPAIR STATION ESMR 898 D
DEKALB-PEACHTREE AIRPORT
ATLANTA, GA. 30341
(404) 458-9851



DEKALB-PEACHTREE AIRPORT
ATLANTA, GEORGIA 30341
(404) 458-9851

MODEL: M20J SN : 24-1658 DATE: 8/5/93

REG. NO.: N5216E WO.#: 3H003 HOBBS: 940.4

TACH: TOTAL : 940.4

MFG. AF/ENG.: LYCOMING

: COMPLETED 100HR/ANNUAL INSPECTION I/A/W FAR 43 APENDIX D. .
: PERFORMED COMPRESSION CHECK AS FOLLOWS: #1-74/80, #2-76/80, .
: #3-76/80, #4-76/80. CHANGED ENGINE OIL AND FILTER USING 8QTS. .
: AEROSHELL 15W/50 OIL AND ONE CH48103 FILTER. CUT OPEN FILTER. .
: AND INSPECTED FOR CONTAMINANTS: NONE FOUND. REPLACED ALL .
: SPARK PLUGS WITH NEW P/N RHM38E. ADJUSTED IDLE RPM AND MIX- .
: TURE I/A/W MOONEY SERVICE MANUAL. C/W AD 93-02-05 AMEND. 39- .
: 8487 PER MOONEY S.B. 342A PER "INSTRUCTIONS" 1-5. VISUALLY .
: INSPECTED AND NO DEFECTS NOTED. C/W AD 78-09-07 AMEND. 39- .
: 3252 PER PAR. B-D I/A/W BENDIX S.B. 599D "INSTRUCTIONS" .
: 1-2.8. REMOVED AND REPLACED INPULSE COUPLING WITH NEW P/N .
: 10-400323. NO OTHER DEFECTS NOTED. AD 84-26-02 NOT COMPLIED .
: WITH: AIR FILTER CHANGED AT 828.1 HRS, DUE AT 1328.0 HRS. .

CONT. →

ONS
MBER OF
ENTRIES.)

DATE

RECORDING
TACH
TIME

TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

19__

I certify that this aircraft has been
inspected in accordance with a 100hr/annual
inspection per FAR 43 Appendix D FAR 91.409
(A) (1) and was determined to be in airworthy condition.

WO# 3H003 Date 8/5/93 Total Time 940.9

Signed [Signature] for

EPPS AIR SERVICE INC.
FAA REPAIR STATION ESMR 688 D
DEKALB-PEACHTREE AIRPORT
ATLANTA, GA. 30341
(404) 458-9881



MODEL M20J SN: 24-1658 DATE 1-6-94

REG. NO. N5216E WO.# A4016 HOBBS

TACH 994.3 TOTAL

DEKALB-PEACHTREE AIRPORT
ATLANTA, GEORGIA 30341
(404) 458-9851

MFG. AF/ENG...: ENGINE

: CHANGED OIL AND FILTER. INSPECTION OF OLD FILTER SHOWED
: NO DEFECTS. SERVICED ENGINE WITH 8 QTS. OF AEROSHELL 15W50
: OIL AND ONE CH48103 FILTER. WASHED ENGINE AND RAN. NO LEAKS
: WERE NOTED AFTER THE RUN-UP.

Signed Lily Selmer Date 1/6/94
WO # A4016 for

EPPS AIR SERVICE INC.
FAA REPAIR STATION ESMR 888 D
DEKALB-PEACHTREE AIRPORT
ATLANTA, GA. 30341
(404) 458-9851



MODEL.: M20J

DATE.: 5/24/94

REG. #.: 5216E

SN.: 24-1658

WO. #.: E4127

HOBBS.:

TERATIONS
(DATE NUMBER OF
SPECIFIC ENTRIES.)

DEKALB-PEACHTREE AIRPORT
1 AVIATION WAY
ATLANTA, GA. 30341-4903
(404) 458-9851

TACH.: 1024.3

TOTAL TIME.: 1024.3

MFG. AF/ENG.: LYCOMING

: DRAINED OIL, SERVICED WITH 8 QTS. AEROSHELL 15W-50.
: REPLACED OIL FILTER WITH NEW CH48103 AND SAFTIED.
: RAN ENG- NO LEAKS NOTED. RECOWLED.

SIGNED.. *Justin L. Kelly* FOR
EPPS AIR SERVICE. RS. ESMR 688 D.



MODEL.: IO-360-A3B6D DATE.: 7-29-94

REG. #.: N5216E SN.: L-24731

WO.#.: G4135 HOBBS.:

DEKALB-PEACHTREE AIRPORT
1 AVIATION WAY
ATLANTA, GA. 30341-4903
(404) 458-9851

TACH.: 1052.10 TOTAL TIME.: 1052.10
MFG. AF/ENG.: LYCOMING

ALTERATIONS
(CERTIFICATE NUMBER OF
OR SPECIFIC ENTRIES.)

: C/W AD 93-02-05 AMDT 39-8487 LYC SB 342A FAILURE OF
: FUEL INJECTOR LINES PER PARA "C" & LYC SB 342A PARA
: 1 THRU 5. NO FAULTS NOTED AT THIS TIME. AD DUE AGAIN
: AT 1152.10HRS TACH. PERFORMED COMPRESSIPON CK AS
: FOLLOWS #1 74/80, #2 71/80, #3 75/80 & #4 70/80.
: CHANGED OIL & FILTER USING 8QTS AEROSHELL 15W50 & 1
: CH48103 FILTER. CLEANED & INSP. ALL FILTERS & SCREENS.
: INSTALLED NEW ALTERNATE AIR DOOR SEAL. C/W MOONEY SB
: M20-250A DATED 5-10-92 PER INSTRUCTIONS 1 THRU 14 BY
: INSTALLATION OF KIT B/N M20-250-1A
: SIGNED *Peter Silva* FOR
: EPPS AIR SERVICE INC. FAA REPAIR STATION ESMR 688D.



MODEL.: IO-360-A3B6D DATE.: 7-29-94

REG.#.: N5216E

SN.: LO-24731

WO.#.: G4135

HOBBS.:

DEKALB-PEACHTREE AIRPORT
1 AVIATION WAY
ATLANTA, GA. 30341-4903
(404) 458-9851

TACH .: 1052.10

TOTAL TIME.: 1052.1

MFG. AC/ENG.: LYCOMING

OPERATIONS
(DATE NUMBER OF
SPECIFIC ENTRIES.)

I CERTIFY THAT THIS AIRCRAFT HAS BEEN
INSPECTED IN ACCORDANCE WITH A: 100HR
INSPECTION PER: FAR 43 APPENDIX D FAR 91.409
: A) : 1) AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION.

SIGNED: *Roby A. Gulmir* . FOR

EPPS AIR SERVICE INC.
FAA REPAIR STATION ESMR 688D.

DATE
19__



DEKALB-PEACHTREE AIRPORT
1 AVIATION WAY
ATLANTA, GA 30341-4903
(404) 458-9851

MODEL.: MOONEY

DATE.: 03/08/95

REG. #.: 5216E

SN.: M20J24-1658

WO. #.: C5012

HOBBS.:

TACH.: 1107.4

TOTAL TIME.:

MFG. AF/ENG.: LYCOMING

DRAINED OIL, REMOVED AND INSPECTED OIL FILTER.
FILTER CHECKED GOOD. RESERVICED ENGINE WITH ONE
CH48103 FILTER AND 8QTS AEROSHELL 15W50 OIL. FOUND
LOOSE SUCTION FITTING ON VACCUM PUMP. REMOVED PUMP,
REMOVED, CLEANED AND REINSTALLED FTG. ON PUMP AND
REINSTALLED SAME PUMP ON ENGINE. ABOVE ITEMS
OPERATIONAL AND LEAK CHECKED GOOD.

SIGNED *[Signature]* FOR
EPPS AIR SERVICE. RS. ESMR 688 D.

RATIONS
NUMBER OF
IFIC ENTRIES.)

DATE 19 <u>95</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-9-95	1132.5		1132.5	<p>Annual inspection completed this date. c/w AD 93-2-05 on fuel injection lines by inspection. Lines in good condition. Next compliance due at next annual or anytime the lines are disturbed. C/w LYCOMING SERVICE BULLETIN 518C by inspection. Vernitrol in good condition. c/w AD 76-0750 AMDT 39-3024 ON IGNITION SWITCH NOTE 1, subparagraphs a, b, c and d. Operational chk good. Next compliance due at 1232.5 tach time. Adjusted prop governor RPM. Recalibrated EGT gauge. Replaced fuel injector helicoil</p>

DATE 19 <u>95</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-9-95	(continued)			<p>insert on #4 cylinder. Replaced exhaust gaskets. Replaced tailpipe hanger. Replaced intake gaskets. Resealed firewall. Drained oil and serviced with Bqts 15W-50 Aeroshell. Replaced oil filter. Performed hot compression check as follows: #1-72/80, #2-76/80, #3-72/80, #4-74/80. I certify that this engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition this date.</p> <p>W.O. 10073</p> <p style="text-align: right;">Ch. J. J. Jr. Mooney Aft Cert. Repair S. FHZR820K</p>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-2-98	TACH	1305.0		<p>Changed engine oil and filter. Drained old filter no contaminants were found. Serviced with 7qts Castrol 15W50. Replaced EGT probe P/N Alcon 86255. Washed engine compartment. Compressions checked</p> <p>① 76 ② 72 ③ 74 ④ 74 over 80. Found wrap leak checked OK. — END ENTRY —</p>

MAINTENANCE RELEASE

HENRY WEBER AIRCRAFT DISTRIBUTORS, INC.
LANCASTER AIRPORT LITITZ, PENNA.

The aircraft or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under

Order No. 102079 Date 7-2-98

Inspector [Signature]

Certified Repair Station No. **DY1R103K**

DATE 19 <u>98</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9-4			1320.5	<p>DRAINED OIL CHANGED FILTER SERVICED WITH ISUSD AEROSHELL. CLEANED & GAPPED VALVES CHECKED MAG TIMING CHECKED CYL. COMPS 1-78/80 2-76/80 3-75/80 4-76/80 CHECKED ADS TO DATE. SEE AD LIST FOR DETAILS AD 98-02-02 FOUND NA DUE TO CS PROP. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS FOUND AIRWORTHY THIS DATE.</p> <p><i>Stephen B. Thomas</i> AEP4696083401A</p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
February	9	1999	Tach 1371.2	
				Cleared SPARK Plugs
				CHANGED oil Phillips x C
				CHANGED oil FILTER
				Removed CLEANED Lubed Reinstalled
				STARTER
				SERVICE AIRCRAFT BATTERY
				AOPD Hayes 480628281

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
 ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

DATE
 19__

RECORDING
 TACH
 TIME

TODAYS
 FLIGHT

TOTAL
 TIME IN
 SERVICE

25 MAY 1999 Tach 1396.3 Changed
 oil - changed oil filter - Phillips
 XC - Checked ALTERNATOR BRUSHES -
 INSTALLED New RHM 38E Plugs -
 ASD Hayzen 480628281

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
15 Oct 1999				Compression Check #1 75/50 #2 72/50
#3	74/80	#4	70/80	Replaced alternator brushes.
				Installed a new BA-6205 induction air filter
				Checked Magneto timing, cleaned & gapped spark
				plugs, checked starter brushes, replaced #2 intake
				gasket, replaced intake drain hose, cleaned
				fuel service screen, checked exhaust system,
				installed 4 wraps of tape on prop dome to center
				prop spinner, changed oil & oil filter, 8 qt
				Phillips XC200-50 oil. Engine ever overhauled
				and Renney check completed.

(OVER)

DATE RECORDING TACH TIME TODAYS FLIGHT TOTAL TIME IN SERVICE DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

3-6-2000 TACH 14331 Oil and Filter Change, Drained oil added 8 qts. Phillips KE 2050, to swap. Installed new CH48103 Torque and settled, Cut open old Filter to inspect. Found no ferrous metal. Installed Tans Engine heater, Mod. TMS/00 .03 SU, 3076, 95 per Tans instructions, Set tag, Balanced engine and Prop on this date. Test ran engine. Checked for leaks, None found.
 Jim E Dowd ACP472803013

3-6-2000 Tech 14331 Installed Tans Plot Light PN PLT, 95 per Tans instructions PLT100. Jim E Dowd ACP472803013

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-12-2000	TACH 1472.9			<p>CHANGED OIL AND FILTER DRAINED AND ADDED 8 QUARTS PHILLIPS X2 20W-50 INSTALLED NEW OIL FILTER CH48103. CUT OPEN OLD FILTER AND INSPECTED NO FERROUS METALS FOUND GROUND RUN-UP LEAK CHECK GOOD. — Joe P. AP503906297 —</p>
8-9-00	1496.1			<p>Changed oil and Filter added 8qts 20w50 phillips oil and installed ch48103 oil filter no ferrous metals found in old filter run up and leak ✓ OK Cody Sumner AP504988904</p>

DATE 2001 99	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)
1/5	TACH	34.67	HRS.	CHANGED OIL (Shell 15W50) AND FILTER. RUN-UP CK - NO LEAKS AT FILTER. J. A. A AP474694735 DA
5/10	TACH	91.46		CHANGE OIL 7qt Shell 15W50 & FILTER CH48109 RUN ENG CH FOR LEAKS Tony Haugen P81 1445715
11-1-2001	100HR. TACH.	135.	COMP. 74/80 TO 76/80, 20/50 LEAK,	NEW FILTER, OTHER INSP. PER. EKUST I certify that this aircraft engine has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition. <i>Bob Leaden</i> A & P 1428281

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
02				ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-16	189.5			Oil & Filter change Service w Phillips 20W-50xL Ground run - ✓ ok no leaks Tln # AP471847350
Dec 4	02		Ta Time 212.0	100 Hr
				Compression 1 74/80 2 60/80 3 74/80 4 75/80
				Changed oil filter CH48103 NO METAL
				Found in old filter - No oil change
				AT this time - CW 93-0205 Nozzle Lines
				check ok after Replaccing #3 line -
				Cleaned Nozzles and Reinstalled Same
				CW AP 96-1207 Removed Mag installed
				New points checked inputs to be ok
				Reinstalled Magneto - Replaced Air filter

DATE 19__ RECORDING TACH TIME TODAYS FLIGHT TOTAL TIME IN SERVICE DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

New #3 Valve cover gasket - New Heat
 Brass duct installed - New Alternator
 V Belt installed

1725.1

ANNUAL/100 HOUR RELEASE

TACH TIME 212.0 TOTAL TIME 1630.4 TSMOH ✓

This aircraft/engine has been inspected in accordance with a 100 Hour
~~Inspection~~ Inspection and found to be airworthy

LIC 120402 Signature [Signature]

Type of Certificate/Number 480628281

STC Aviation, Inc., St. Cloud, MN 56302

12-30-03 M 02-12-07 PULLW SKY AIRPLANE W99

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
April 10 2003	Tach 223.			Reworked STARTER Bendix drive AS Needed - Reinstalled Motor Assy - Ground check ok D. Hoyle 480628281
10-22-03	Tach 247.8			Changed oil to Penn Shell 20W50AC D. Hoyle 470576948
DATE 12-4-02				D. Hoyle 470576948 DR

DATE RECORDING TACH TIME TODAYS FLIGHT TOTAL TIME IN SERVICE DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
 ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

1-7 266.5
 COMPLET 72-68-70-72 180
 AD 03-14-03 MA TO IN STATION -
 (Romec Pump) C/W AD 02-26-01 INTER
 LINES

ANNUAL/100 HOUR RELEASE

TACH TIME 266.5 TOTAL TIME 1779.6 TSMOH _____

I certify this aircraft/engine has been inspected in accordance with a 100 Hour or Annual inspection and found to be airworthy

Date 1-7-24 Signature [Signature]

Type of Certificate/Number 470521941 for CRS BDKR399C,
 STC Aviation, Inc., St. Cloud, MN 56302

DATE 2-05	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-2	295.6	NO	2004-10-14	DUE AT PROP STRIKE. Sudden stoppage, overhaul in related maintenance. [Signature] 770526948
2-4				<p>changed oil & filter. 20W50+6 Complete 72-68-72-77180 C/W NO 02-26-01 Fuel Lines</p> <p>ANNUAL/100 HOUR RELEASE</p> <p>TACH TIME <u>295.6</u> TOTAL TIME <u>1808.7</u> TSMOH _____</p> <p>I certify this aircraft/engine has been inspected in accordance with a 100 Hour or Annual inspection and found to be airworthy</p> <p>Date <u>2-4-05</u> Signature <u>[Signature]</u></p> <p>Type of Certificate/Number <u>770526948</u></p> <p>STC Aviation, Inc., St. Cloud, MN 56302</p>

DATE RECORDING TACH TIME TODAY'S FLIGHT TOTAL TIME IN SERVICE DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

20
19-06

4-3

AD 2005-19-11 CRANKSHAFT MA By Richards
 2005-26-10 Cylinders (PZD) MA TO INSPECTION
 53 565 Fuel Pump MA By Richards
 53 569 CRANKSHAFT MA By Richards
 Clw AD 02-26-01 Fuel Line Insp.
 changed oil & filter - Phillips 20W50 & L

ANNUAL/100 HOUR RELEASE

TACH TIME 297.07 TOTAL TIME 1810.1 TSMOH

I certify this aircraft engine has been inspected in accordance with a 100 Hour or Annual Inspection and found to be airworthy
 Date 4-3-06

Signature [Signature]

Type of Certificate/Number 47052694P
 STC Aviation, Inc., St. Cloud, MN 56302

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4-26-07	310.8			AO 2006-06-16 CRANKSHAFT
				AO 2006-22-09 CRANKSHAFT
				R&R G/L #2. REPAIRED VALVES.
				REPLACED PISTON & RING.
				63-46-62-70 / 80 CWA 02-26-01
				ANNUAL 100 HOUR RELEASE
				TACH TIME <u>310.8</u> TOTAL TIME <u>1823.8</u> TSMOH <u> </u>
				I certify this aircraft/engine has been inspected in accordance with a 100 Hour
				Annual Inspection and found to be airworthy
				Signature <u>[Signature]</u>
				Certificate Number <u>47052094</u>
				Aviation, Inc., St. Cloud, MN 56302

DATE

19__

TOTAL
TIME IN
SERVICE

REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO
FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

ANNUAL/100 HOUR RELEASE

TACH TIME 310.8 TOTAL TIME 1823.8 TSMOH

This aircraft/engine has been inspected in accordance with a 100 Hour
and inspection and found to be airworthy

5-1-07 Signature [Signature]

of Certificate Number 470576544

St. Cloud Aviation, Inc. St. Cloud, MN 56302

Date: 1/15/2008
N5216E
S/N24-1658

St. Cloud Aviation
1544 45th Ave SE
St. Cloud, MN 56304

Tach/Hobbs: 316.6

INSTALLED NEW ALTERNATOR, p/n ALY6520 s/n H063248
GROUND RAN TO CHECK SYSTEM, FOUND TO BE OK.

[Signature] 480628281

DATE	TOTAL TIME IN SERVICE	REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.
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9/5/08 339.03 Tach

AD 2008-~~08~~-14-07 (supersedes AD 2002-26-01) Fuel injector lines inspection was satisfactory. Due again @ 439.03 TACH HRS.
 AD 2008-08-14 Fuel injection servo plug inspection is N/A, part number not installed per records.
 Compression results ① 68 ② 71 ③ 68 ④ 72 PSI all over 80 PSI
 changed oil & filter with Phillips XC 20W-50.

ANNUAL/100 HOUR RELEASE

TACH TIME 339.03 TOTAL TIME 1852.03 TSMCH

I certify this aircraft/engine has been inspected in accordance with a 100 Hour or Annual inspection and found to be airworthy

Date 9/5/2008 Signature David Peterson

Type of Certificate Number JA 2655566

870 Aviation, Inc., St. Cloud, MN 56302

DATE

TOTAL
TIME IN
SERVICE

REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO
FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

20
19
10/1/2009

352.54

hrs ETT 1865.64 Prop TSMOH 948.64

Performed Annual Inspection

① Compression ① 72 ② 75 ③ 66 ④ 74 All over 80 PSI.

② Changed oil & filter with Phillips XC 20W-50 and CHNG 103-1,
NO metal found in filter.③ AD 2008-14-07 Fuel injection lines inspection was satisfactory
due @ 452.54 hrs or when other conditions apply, see AD.④ AD 2009-02-03 (supersedes AD 2008-08-14) Fuel injector servo
plug gasket inspection is N/A by engine records, NOT installed.

I certify that this engine has been inspected in accordance
with an Annual Inspection and was determined to be in airworthy
condition. Donal P. Reason IA 2655566 St. Cloud Aviation

DATE

A. D. NUMBER

TOTAL TIME IN SERVICE

AIRWORTHINESS DIRECTIVES

CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.

19__

Date: 11/1/2010

St. Cloud Aviation

Tach: 363.96

N5216E

1544 45th Ave SE

ATT: 1,877.06

s/n 24-1658

St. Cloud, MN 56304

ETT: 1,877.06

Engine Model: Lycoming IO-360-A3B6D

Prop TSMOH: 960.06

s/n L-24731-51A

Performed Annual Inspection:

1) Compression as follows:

1)74 2)72 3)72 4)76 all over 80psi

2) Changed oil and oil filter with Phillips XC20W50 and CH48103-1.

3) Complied with AD2008-14-07 by visual inspection of fuel injection lines. Due

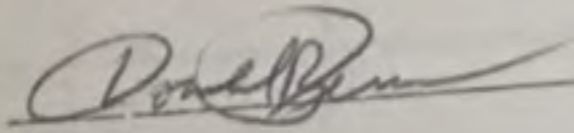
again at 463.96 hrs Tach or other conditions, see AD.

4) Replaced vacuum pump filter with new p/n AA2J4-6.

5) Installed three new baffle retainers p/n 600372-501.

I certify this engine has been inspected in accordance with an Annual Inspection

and is in airworthy condition.



Don Pearson IA #2655566

DATE

A. D. NUMBER

TOTAL TIME IN SERVICE

AIRWORTHINESS DIRECTIVES

CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.

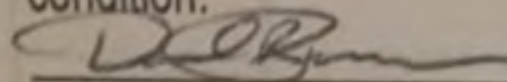
19__

Date: 12/6/2011 St. Cloud Aviation Tach: 384.20
 N5216E 1544 45th Ave SE ATT:1897.30
 24-1658 St.Cloud, MN 56304 ETT: 1897.30
 Lycoming IO-360-A3B6D Prop TSMOH: 980.3
 s/n L-24731-51A

Performed Annual Inspection.

Compression found @ 1)73 2)74 3)71 4)75 all over 80PSI

Changed oil with Phillips XC 20W50 and CH48103-1 filter. Complied with
 AD2008-14-07 by visual inspection of fuel injection lines, due again @484.2 Tach,
 also see AD. AD2011-15-10, Fuel Servo, DNA part not installed. I certify this engine
 has been inspected in accordance with an Annual Inspection and is in airworthy
 condition.



Don Pearson IA #2655566

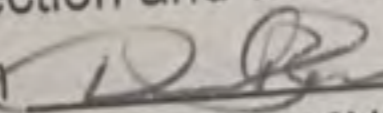
DATE	A. D. NUMBER	TOTAL TIME IN SERVICE	AIRWORTHINESS DIRECTIVES CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.
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4/1/2013 N5216E 403.93 Tach
 Lyc. IO-360-A3B6D s/n L-24731-51A 1917.03 ETT
 Prop TSMOH 1000.03

Performed Annual Inspection

Compression: 1) 74 2) 73 3) 69 4) 71 all over 80 psi.
 Changed oil and filter with Phillips XC and CH48103-1.
 Complied with AD 2011-26-04 inspection of fuel injection lines.
 Due again in 100 hours @ 503.93 tach. AD 2012-03-06 fuel
 servo diaphragm failure is n/a, part not installed. AD 2012-03-07
 HA-6 carburetor mixture control sleeve loose is n/a, part not
 installed. AD 2012-19-01 crankshaft failure is n/a, part not
 installed. Replaced tanis pilot light. Replaced #4 intake gasket.
 Replaced #1 intake bolts and gasket.

I certify this engine had been inspected in accordance with an
 Annual Inspection and was determined to be airworthy.

Don Pearson 
 St. Cloud Aviation, STC, MN. IA# 2655566

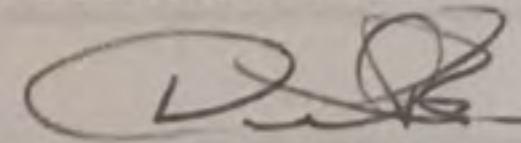
DATE
19__

TOTAL
TIME IN
SERVICE

MANUFACTURERS MANDATORY SERVICE BULLETINS
CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.

Date: 6/16/2014; Aircraft: N5216E; Type: M20J; S/N: 24-1658; Tach: 435.17
Lycoming IO-360-A3B6D s/n L-24731-51A ETT: 1948.27

Performed Annual Inspection. Compression test: 75-78-74-76/80. Changed oil, Phillips XC 20W50, and oil filter, Champion CH48103-1. Complied with AD2011-26-04, inspection of fuel injection lines. Due in 100 hours @ 535.17 Tach. I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.



Don Pearson IA #2655566

St. Cloud Aviation, 1544 45th Avenue SE, St. Cloud, MN 56304

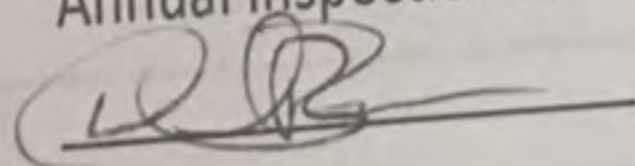
MEMORANDA

10/10/2017 N5216E 459.26 Tach
Lyc IO-360-A3B6D s/n L-24731-51A 1972.36 ETT

Performed Annual Inspection

Compressions: 71,72,70,73, all over 80 psi. Changed oil and filter with Phillips XC 20w-50 and CH 48103-1. Complied with AD 2015-19-07 fuel injector line inspection. No discrepancies noted. Due again in 110 hours @ 569.26 Tach. AD 2017-16-11 engine connecting rod does not apply. Parts not installed.

I certify this engine was inspected in accordance with an Annual Inspection and was determined to be airworthy.

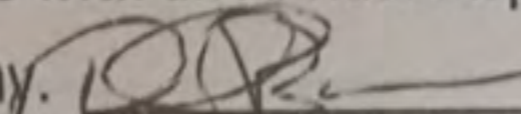


Don Pearson IA 2655566
St. Cloud Aviation, STC, MN, USA.

MEMORANDA

12/1/2018 N52126E 459.50 Tach
Lyc IO-360-A3B6D s/n L-24731-51A 1972.60 ETT

Performed Annual Inspection

Compressions: 70,71,70,72 over 80 psi. Complied with
AD 2015-19-07 fuel injector line inspection. Due again in
110 hours @ 569.50 Tach. I certify this engine was inspected
in accordancxe with an Annual Inspection and was determined
to be airworthy.  Don Pearson IA 2655566.

St. Cloud Aviation STC MN USA.