

The Standard

ENGINE LOG

ASA-SE-2

ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS

TT_____ TSMOH__1.1__ (test run)

Model__IO-360-A1B6D__ S/N__L-17636-51A__

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with manufactures specifications and current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repairs are on file at this repair station under,

Work order no. __14962__

Date __10MAR98__

Signed M. O. Lichter for

FAA CERTIFIED REPAIR STATION # DC2R763K.

CUSTOM AIRMOTIVE, INC.
2702 N. SHERIDAN, BLDG. B
TULSA, OK 74115

PH. (918)836-6836 FAX (918)836-9431

Notes: Magneto, starter*, alternator and prop gov. were also overhauled (see tags). Fuel pump, ignition harness, spark plugs and oil filter are new. This engine was equipped with __FACTORY NEW CYLINDERS LYC. P/N 05K21120__ cylinders during this overhaul. *STC# SE2389CE was incorporated during this overhaul. This allows for the use of the B&C light weight starter. Installer of the engine in the airframe must complete installation as applicable in instructions. Copy of the STC & instructions is in this book.

Note: The fuel system was re-used at the customers request (recently overhauled).

AIRWORTHINESS DIRECTIVES FOR: TYPE CERTIFICATE NUMBER 1E10

MODEL__IO-360-A1B6D__ S/N__L-17636-51A__ WO#__14962__ TT_____

A.D.#

METHOD OF COMPLIANCE

66-20-04

N/A PER MODEL OR S/N.

67-22-06

FUEL SYSTEM O-H'ED @ CRS#HK2R875K.

71-05-02R4

C/W; HAS LARGE/STRAIGHT MAIN BRG. DOWELS.

71-11-02

P/C/W; HAD P/N 78290 HYD. UNITS.

73-23-01

N/A TO THESE NEW LW-14077 PINS.

75-08-09

P/C/W (ALSO SEE AD#96-09-10).

75-09-15

FUEL FLOW DIVIDER O-H'ED @ CRS#HK2R875K.

90-04-06R1

C/W; USED ALL STEEL LINE & FITTINGS; PROPERLY CLAMPED.

91-14-22

C/W LYCOMING S.B.475B AT THIS O-H.

92-12-05

N/A TO THESE NEW LW-14077 PINS BY MANUF. DATE.

93-02-05

C/W LYC. S.B.342B AT THIS O-H.

93-11-11

N/A TO THIS NEW LW-15473 FUEL PUMP.

93-14-15

N/A TO THIS ENGINE.

95-07-01

N/A TO THESE AL-75060 ROD BOLTS.

95-26-02

N/A TO THIS ENGINE.

96-09-10

C/W; USED AL-05K19423-S OIL PUMP KIT.

96-23-03

C/W; USED ACCEPTABLE CODED PUMP.

97-15-11

C/W; CODES VERIFIED AS ACCEPTABLE ON PINS.

98-02-08

N/A; THIS IS A CONSTANT SPEED APPLICATION.

SIGNED M. O. Lichter FOR CRS# DC2R763K ON __10MAR98__

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



HUGHES AVIATION
 524-4103
 20610 Smith Field Dr.
 Siloam Springs, AR 72761

04/24/98
 Tach: 1821.8
 SMOH: 0

Engine removed and sent to Custom Airmotive for overhaul. Installed in N34502 after overhaul with new hoses and scat hoses. Engine mount inspected and repainted. Installed engine with new Lord shock mounts. RH muffler replaced with unit from Aircraft Exhaust Systems w/o # 40341. Installed new heat shrouds on right muffler from Aircraft Exhaust Systems w/o # 40341. Installed overhauled alternator from Aeroelectric Serial N0. A-129561. All electrical wire was inspected and spiral wrapped for protection. Serviced engine with Aeroshell 100 mineral oil and ground ran and inspected.

John Wilson

John Wilson
 A&P 247879

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



HUGHES AVIATION
 500-7 Airport Road
 Bentonville, AR 72712

FBO: (501) 254-0817
 Shop: (501) 254-0657
 FAX: (501) 254-0792

12/08/98
 Tach: 1848.6
 SMOH: 26.8

Cleaned, gapped, and tested plugs. Compression test completed- #1 77/80 #2 78/80 #3 78/80 #4 78/80. Inspected all systems for condition and operation. Inspected engine per the Scope and Detail of FAR 43 Appendix D. I certify that this engine has been inspected in accordance with a annual inspection and was determined to be in an airworthy condition.

Gregory A. Hughes

Gregory A. Hughes
 429376679 I.A.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



FBO: (501) 254-0817
Shop: (501) 254-0657
FAX: (501) 254-0792

10/04/00
Tach: 1852.4
SMOH: 30.6

Changed oil and filter and serviced with Aeroshell 15/50. Inspected filter and found normal. Cleaned and gapped plugs. Compression test completed- #1 78/80 #2 76/80 #3 76/80 #4 78/80. I certify that this engine has been inspected in accordance with a annual inspection and was determined to be in an airworthy condition.

Gregory A. Hughes

Gregory A. Hughes
429376679 I.A.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



FBO: (501) 254-0817
Shop: (501) 254-0657
FAX: (501) 254-0792

09/19/01
Tach: 1865.9
SMOH: 44.1

Changed oil and filter and serviced with Aeroshell 15/50. Inspected filter and found normal. Cleaned and inspected plugs and reinstalled. Compression test completed- #1 78/80 #2 79/80 #3 78/80 #4 77/80. Installed a new 211CC vacuum pump. Installed 6 new J744-14 cowl shock mounts. Installed new Southco fasteners in all locations on the upper and lower cowl and receptacles as needed. Installed a new Brackett air filter assembly Part No. BA-5710. See Form 337 this date. I certify that this engine has been inspected in accordance with a annual inspection and was determined to be in an airworthy condition.

Gregory A. Hughes

Gregory A. Hughes
429376679 I.A.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



Office (501) 927-1665
 Fax (501) 927-3168

1200 Old Missouri Road
 Springdale, AR 72765

11-29-01 Tach. 1871.0, SOH 48.2 N34502 Engin Log Entry

Performed compression test, results are as follows, #1 74/80, #2 73/80, #3 77/80, #4 75/80. Removed oil filter and insp. for contaminates, none noted. Serviced engine W/new CFO 100 oil filter and 1 quart of Aeroshell 15W50 oil. C/W AD 93-02-05 by visual inspection of fuel injector lines, no defects noted and all required clamps are in place. Performed run up and leak check OK.

William D. Dorothy A&P 481620816 IA

5-16-02 TACH 1892.6

CHANGED OIL & FILTER, SERVO. WITH W80 SHOCK - CFO 100 F. 20700 LEAK CK, OK.

William D. Dorothy
 319447591 A&P

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

10-11-02 1920.2 TT 1920.2 TSMOH 97.7 - CHANGED OIL & FILTER
 FILTER INSPE. (OK) - CLEANED SCREEN - CHECK COMP.
 74 74 77 77 - CLEANED & ROTATED PLUGS -
 SERVO. WITH W80 - C/W RA 93-22-05 INT LINES
 CHECK MAG TIMING -

I certify that this aircraft engine has been inspected in accordance with an ANWOP inspection and was determined to be in airworthy condition
 Jack E. Hemmings 319447391 *Jack E. Hemmings*

11-17-03 TACH 1969.5 TT 1969.5 TSMOH 146.7 - CHANGED OIL & FILTER - SERVO. WITH W80 SHOCK - CFO 100 COMP.
 74 74 77 77 - CLEANED & ROTATED PLUGS
 C/W 02-26-01 INT LINES - CHECK & ADJ
 TIMING -

I certify that this aircraft engine has been inspected in accordance with an ANWOP inspection and was determined to be in airworthy condition
 Jack E. Hemmings 319447391 *Jack E. Hemmings*

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 Technician or Repair Facility. (See back pages for other specific entries.)

8-5-04 TACH 2013.7
 CHANGE OIL & FILTER
 SERVICED WITH 20/50 XC
 LEAKS OK OK
 2827003 JA

1-5-05 2023.9 2023.9 TSMOH 201.1
 CHANGED OIL & FILTER SERVICED WITH 20/50
 X/C - CHECKED COMP. '71 '72 '74 '73 -
 CLEANED & ROTATED PLUGS - CHECK TIMING
 C/W 02-26-01 INT LINE

It is hereby certified that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
 Jack E. Herzog 2827003 JA

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 Technician or Repair Facility. (See back pages for other specific entries.)

3-1-06 2073.9 2073.9 TSMOH 251.1 - CHANGED OIL & FILTER
 SERVICED WITH 20/50 XC - CHECKED COMP
 '71 '72 '74 '75 - CLEANED & ROTATED
 PLUGS - CHECK TIMING - REPLACED #1
 EXH STACK (DOWNEY) - C/W AD 02-26-01
 INT. LINES - 05-19-11 CRANK N/A O'HALL
 DATE -

It is hereby certified that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
 Jack E. Herzog 2827003 JA

9-21-06 2112.4 CHANGE OIL & FILTER SERVICED WITH
 20/50 - LEAKS OK
 2827003 JA

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 Technician or Repair Facility. (See back pages for other specific entries.)
06-17-09	continued	PRO. PASR.		I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition Jack E. Hemmings 827003 <i>[Signature]</i>
07-1-10	2210.0	2210.0		TSMOH387.2 - CHANGED OIL & FILTER - SERV. WITH 2050 1/4 - CKRO COMP. 178 278379 78 - CLEANED & ROTATED PLUGS - REPAIRED SHIELD ON #4 UPPER BLEB LEAD - REPLACED AIR FILTER - CKRO MAG TIMING - C/W 08-24-07 INLT LINES - I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition Jack E. Hemmings 827003 <i>[Signature]</i>

© 1991 ASA

DATE 19__

The aircraft and or component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order Number: 67984

Engine Model IO-360-A1B6D Serial Number: L-17636-51A

Date: 10/26/2011 Signed: _____

for

G&N Aircraft, Inc.
 F.A.A. CRS MW2R020L
 1701 E. Main Street
 Griffith, IN 46319
 (219)924-7110

10/26/11 15:39:22 DISASSEMBLED, CLEANED, MAGNAPLUXED, INSPECTED, PAGE
 REPAIRED AS NEEDED, REASSEMBLED, & DYNO TESTED
 USING THE FOLLOWING PARTS:

Item Num.	Item Description	Quantity
AA48103-2	OIL FILTER	1
AB-382807	CAPACITOR	2
ES10-382568	STRIP FELT	2
ES10-382788	WASHER	4
ES10-382789	SCREW	4
LW-12098-0-210	Tube assembly	1
LW-12186	Nut	8
LW-12347	Plate	1
LW-12944	Seal & Gasket Set	1
LW-14820	Ring	8
LW-15592-5-05	Clamp	1
LW-16266-10-13	Clamp	2
LW-16266-10-75	Clamp	4
MS20819-6D	Sleeve	1
RG-67193	Gasket (Lyc:)	4
RG-72059	Gasket Dipstick Tube Base	1
STD-1930	Hose	1
STD-2013	Seal	4
STD-2231	Ring	1

© 1991 ASA



Anderson Aircraft Services
 282 Airport Rd
 Anderson, IN 46017

Alterations
 Number of
 cific entries.)

DATE
 19__

RECORDING
 TACH
 TIME

Tail No.: N34502 Date: 1/06/2012 Tach: 2225.5

- Performed an Annual inspection on this Engine.
- Cleaned, gapped, and rotated spark plugs. Installed with new M-674 gaskets.
- Replaced oil filter with new.
- Serviced engine with 8qts Aeroshell straight 80 oil.
- Checked engine control travels.
- Inspected cabin heat exchanger. No defects noted.
- Removed and installed engine following prop strike inspection by G&N aircraft. WO#024/67948
- Installed torqued and saftied new propeller. Run ops and leak check good.
- I certify that this engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition.

Richard J. McKenney
Richard J. McKenney AP2848987IA

6/12/12

CHECKED IGNITION LEADS - SATISFACTORY. INSTALLED
 8 NEW CHAMPION RHM38E SPARK PLUGS. MAG
 DROP CHECKED R-100, L-100, FLIGHT TEST - OK.
MJ Foushee AP2126136IA

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
5-1-13	2247.4		2247.4	TSMOH 424.6 - CHANGED OIL & FILTER - CLEANED PLUGS - CHECKED TIMING - SERVICED WITH W80-4W 11-26-04 INT LINES - C/COMP '76 275 277 78 I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition Jack E. Hemmings 2827003 FA
6-5-14	2264.2		2264.2	TSMOH 441.4 CHANGED OIL & FILTER SERVICED WITH W80-4W 11-26-04 C/COMP '77 276 277 278 - CLEANED & ROTATED PLUGS ADJ. MAG TIMING - 11-26-04 INT LINES I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition Jack E. Hemmings 2827003 FA

130

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
19			

JEI

Date: 3/20/2017; Aircraft: N34502
 LYCOMING IO-360-A1B6D S/N: L-17636-51A TACH: 2602.8 ETT: 2602.8 ETSMOH: 898.3 Shop Order: SPG-17-2412

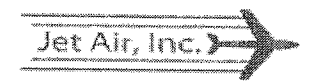
Performed 100hr/Annual inspection. Checked engine mounts and cradle. Checked electrical components and harness. Checked engine accessories. Checked lines, tubing, and hoses. Checked induction system. Checked exhaust system. Sumped fuel drains. Checked and lubricated engine and propeller controls. Checked engine baffling and cowling. Drained oil, removed oil filter and cut open to insp., no metal noted. Installed new CH48103-1 oil filter and serviced engine with 8 qts of Aeroshell 100W oil. Removed all spark plugs, cleaned, gapped, tested, rotated and reinstalled.

Compression check; Cylinder #1 72/80, #2 76/80, #3 72/80, #4 72/80.
 Replaced brackett induction air filter with new BA5705. Due again 03/2018 or 2702.8 hrs
 C/W AD 2015-19-07 Insp. of fuel injector lines and clamps. Next due 03/2018
 Repaired spark plug end of cyl #4 lower ignition lead.

I certify that this engine has been inspected in accordance with a 100hr/Annual inspection and was determined to be in airworthy condition.

Date 3/20/2017 Signed [Signature]
 for Jet Air Inc. CRS # JAFR110F Galesburg, Illinois 61401

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



Jet Air Inc. (KIOW)
 1801 S. Riverside Dr.
 Iowa City, IA 52246
 Ph. (319)-248-1200

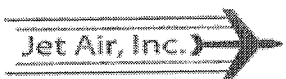
Date: 6/23/2017; Aircraft: N34502
 TACH: 2667.6 LYCOMING IO-360-A1B6D S/N: L-17636-51A ETT: 2667.6 ETSMOH: 844.8 W/O# SHI-17-11651

DRAINED OIL. REMOVED FILTER AND SCREEN FOR INSPECTION. NO CONTAMINATION FOUND. INSTALLED SCREEN AND NEW CH48103-1 FILTER. SERVICED OIL WITH 8 QTS AEROSHELL 100W OIL. GROUND RUN OPERATIONAL AND LEAK CHECKS PERFORMED AND FOUND GOOD AT THIS TIME.

I certify that this engine has been inspected with reference to the work identified above and was determined to be in airworthy condition

Date 6-23-17 Signed, [Signature]
 For Jet Air, Inc.-IOW FAA CRS I2JR069B

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 Technician or Repair Facility. (See back pages for other specific entries.)
19				



Jet Air Inc. (K1OW)
1801 S. Riverside Dr.
Iowa City, IA 52246
Ph. (319)-248-1200

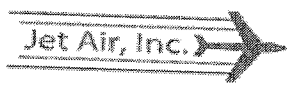
Date: 8/10/2018; Aircraft: N34502
TACH:2851.6 IO-360-A1B6G S/N: L-17636-51A ETSMOH:926.2
W/O# SHI-18-12127

C/W A 50HR INSPECTION WITH REFERENCE TO JET AIR INC SINGLE ENGINE 50RH CHECK LIST. CHECKED TIRES AND BRAKES, CHECKED PROP AND SPINNER, CHECKED INTERIOR AND EXTERIOR LIGHTS, CHECKED ENGINE CONTROLS, FUEL, OIL, AND VACUUM HOSES, INDUCTION SYSTEM, AND ENGINE BAFFLING. DRAINED OIL. DRAINED OIL. REMOVED FILTER FOR INSPECTION. NO CONTAMINATION FOUND. INSTALLED NEW CH48103-1 OIL FILTER. SERVICED OIL WITH 8 QTS PHILLIPS 20W-50XC OIL. GROUND RUN OPERATIONAL AND LEAK CHECKS PERFORMED AND FOUND GOOD AT THIS TIME.

I certify that this engine has been inspected in accordance with a 50HR inspection and was determined to be in airworthy condition.

Date 8/10/2018 Signed, [Signature]
For Jet Air, Inc.-IOW FAA CRS I2JR069B

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 Technician or Repair Facility. (See back pages for other specific entries.)
19				

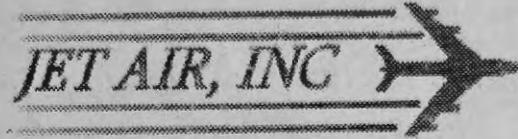


Jet Air Inc. (K1OW)
1801 S. Riverside Dr.
Iowa City, IA 52246
Ph. (319)-248-1200

Date: 12/27/2018; Aircraft: N34502
TACH:2896.4 LYCOMING IO-360-A1B6D S/N: L-17636-51A ETSMOH:960 W/O# SHI-18-12277

DRAINED OIL. REMOVED FILTER FOR INSPECTION; NO CONTAMINATION FOUND. INSTALLED NEW CH48103-1 AND SERVICED OIL WITH 8 QTS PHILLIPS 20W-50XC OIL. COMPRESSION TEST RESULTS: #1 62/80, #2 68/80, #3 70/80, #4 70/80. CLEANED, GAPPED, AND CHECKED SPARK PLUGS. CHECKED MAG TIMING. CLEANED FUEL INJECTION NOZZLES. COMPLIED WITH THE FOLLOWING: LYCOMING SB 526 COMPLIED WITH DURING MAG REPAIR. INSTALLED REPAIRED MAGNETO P/N 10-682555-11 S/N G11IGN01 FROM RLB ACCESSORIES CRS# KB2R946K UNDER WO# 18570. REMOVED #1 INTAKE TUBE, CLEANED UP OLD GASKET, SANDED INTAKE TUBE SEALING SURFACE FLAT, AND REINSTALLED WITH NEW GASKET P/N SA629925 AND O-RING P/N 77569. INSTALLED 4 NEW RHM38E SPARK PLUGS. INSTALLED OVERHAULED FUEL SERVO RSA5AD1 P/N 2524054-10 S/N 63713 AND FLOW DIVIDER P/N 2524232-2 S/N T-133 FROM RLB ACCESSORIES CRS# KB2R946K UNDER WO# 18581 AND 18580. INSTALLED NEW LYCOMING FUEL PUMP P/N 62B26931 S/N 4018L0018. ADJUSTED MIXTURE AND IDLE SPEED SETTINGS. GROUND RUN OPERATIONAL AND LEAK CHECKS PERFORMED AND FOUND GOOD AT THIS TIME, AND HAVE FOUND THIS ENGINE TO BE IN AIRWORTHY CONDITION AS OF THIS DATE. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition.

Date 12-27-2018 Signed, [Signature]
For Jet Air, Inc.-IOW FAA CRS I2JR069B



Date: 10/25/2019; Aircraft: N34502
Engine: Lyc. IO-360-A1B6D S/N: L-17636-51A TT: 2945.5 SMOH: 1123.7 Shop Order: SPG-19-3093

I certify that this engine has been inspected with reference to an Annual Inspection per Cessna Service Manual and Jet Air Inc forms. Checked engine mounts and cradle. Checked electrical systems and harnesses. Checked engine accessories. Checked lines, tubing, and hoses. Checked induction system. Checked and pressure tested exhaust system. Sumped all fuel drains. Checked and lubricated engine and propeller controls. Checked engine baffling and cowling. Checked and lubricated cowl flaps and controls. Cleaned and reinstalled all fuel injectors with new seals. Oil and filter change time only 4 hrs - deferred at this time. Cleaned and inspected for leaks, damage etc and none found. Cleaned cowlings and applied phenolic wear strips on areas of baffle rub.

- Compression Check: #1-70/80, #2-70/80, #3-74/80, #4-72/80
Installed missing spacer plate P/N: L-12347 between prop governor and engine.
- CW AD2015-19-07 by inspection of fuel injection lines and clamps - ckd ok

I certify that this Engine has been inspected in accordance with a 100hr/Annual inspection and was determined to be in airworthy condition.

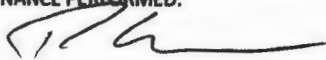
Date: 10/25/2019 Signed: [Signature]
for Jet Air Inc. CRS # JAFR110F Galesburg, Illinois 61401

MAINTENANCE RECORD ENTRY **DATE: 7/4/2020**

AIRCRAFT: N34502 TACH: 3008.1 AFTT: 3008.1

DRAINED OIL. REMOVED FILTER FOR INSPECTION. NO CONTAMINATION FOUND. INSTALLED AND SAFETY WIRED NEW CH48103-1 OIL FILTER. SERVICED OIL WITH 7 QTS PHILLIPS W100 AND 10 OZ CAMGUARD. GROUND RUN OPERATIONAL AND LEAK CHECKS PERFORMED. I CERTIFY THAT THE AIRCRAFT IS AIRWORTHY IN REGARD TO THIS MAINTENANCE PERFORMED.

OWNER/PILOT MICHAEL PAUL STUCKER PILOT LIC: 4060427



ENGINE MODEL
JC-360-A1B6D
ENGINE S/N L-17636-51A
REG. NO N34502
WORK ORDER
Murneta10387-10-2020



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive
#802
Murneta, CA 92563
Phone: 951-898-4260

DATE 12/4/2020
A/C TSN 3059.7
ENG TT: 3059.7
TSMOH: 1134.3
TACH 3059.7

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed customer supplied oil and filter CH48103-1 IAW SB480E. Serviced engine with customer supplied 7 qts. a/s 100W and 1 camguard. Compression check #1 76/80 #2 64/80 #3 76/80 #4 72/80. Cleaned, gapped and tested all spark plugs. See AD note update sheet and master list for complete AD note history thru this date and current revision. Comply with AD 2015-19-07 by inspection of fuel injection lines and clamps, no defects noted, due each 110 hours. Lubricated all engine controls. Adjusted idle speed and mixtures. Repair loose engine cowling flex baffles. Install new seals on #2 cylinder exhaust pushrod tube assy, replace rocker cover gasket. Surfaced intake collars for #2 and #3 intake tubes. Install new seals and gaskets on engine intake tubes on cylinder #2, #3. Replace corroded exhaust system hardware and one clamp on exhaust stacks and muffler assemblies as necessary. Replaced magneto base gasket. Time magneto to engine. Fabricate and install new fuel pump to fuel servo hose assy to type "D" requirements. Installed with proper adel clamps. Replace instrument air pump hose from engine to firewall. Replaced breather flexible hose with new. Re-attach LH forward engine flex baffle. Fit and install new air duct hoses in engine compartment. Replaced hardware for alternator adjustment arm with correct hardware and safety. Fabricate and install new Type D oil pressure hose assy from engine to firewall. Covered #3 EGT wire connections. Install LH and RH engine exhaust muffler shrouds after repair, replace hardware as necessary. Removed exhaust cross over heat shield, Fabricated new shield assy and repositioned exhaust clamp, re-install shield.

I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murneta10387-10-2020, FAA CRS #2SDR271B

DATE 12/4/2020

SIGNED

Work Order Murneta10387-10-2020

Printed by EBis 3 (datcomedia.com)

ENG'NE MODEL:
IO-380-A1B6D
ENGINE S/N L-17638-51A
REG NO N34502
WORK ORDER:
Murnela11280-12-2021



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive
#602
Murrieta, CA 92583
Phone 951-698-4260

DATE 2/16/2022
A/C TSN 3122 5
ENG TT 3122 5
TSMOH 1197.1
TACH 3122 5

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form Changed customer supplied oil and filter CH48103-1 IAW SB480E. Serviced engine with customer supplied 7 qts a/s 100W and 1 camguard Compression check #1 75/80 #2 78/80 #3 77/80 #4 78/80 Cleaned, gapped and tested all spark plugs. See AD note update sheet and master list for complete AD note history thru this date and current revision. Complied with AD2015-19-07 Fuel Injection Lines and clamp inspection. No defects noted at time of inspection. Re-torqued rocker cavity drain hose clamps and cleaned. Installed new stretch of scat tubing and secured. Installed repaired muffler reference Cessna 177RG Service Manual. Re-torqued clamps and cleaned. Installed new Brackett Air Filter Assy. P/N BA5710. Installed new starter P/N 149NL/EC. S/N H-V121278. Removed P/N MHB-4016, S/N 10MC 10075. Reference Cessna 177RG service manual chapter 11-27. Ops check good at this time.

I Certify that this ENGINE has been inspected and is in satisfactory Condition All work performed IAW applicable service manuals are on file at this repair facility under Work Order No. Murrieta11280-12-2021

and was determined to be in AIRWORTHY condition. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta11280-12-2021. FAA CRS #2SDR271B

DATE 2/16/2022

SIGNED

Work Order Murrieta11280-12-2021

Printed by ERic 2 (datacomms.com)



06/05/2024

Cessna 177RG

Registration: N34502, Serial: 177RG1296

Lycoming IO-360-A1B6D, Serial L-17636-51A

3180.2 Tach Time 1331.6 SMOH 3180.2 TTIS

Performed a 100 hour engine inspection in accordance with FAR 43, Appendix D utilizing a supplemental Next Level Flight Services 100 Hour/Annual Checklist. All maintenance performed IAW applicable maintenance manuals and regulations.

AD Compliance:

1. C/W AD 2015-19-07 (Fuel Injector Fuel Lines) by inspection of fuel injector lines and clamps.

Maintenance Performed:

1. Washed engine and prepped for inspection.
2. Performed operational check of engine and recorded parameters prior to maintenance being performed and made notes of leaks and issues.
3. Removed all old sensors and instrumentation lines in preparation for Dynon Skyview HDX installation.
4. Installed Dynon Skyview HDX system per Dynon Skyview HDX Install Manual 103261-000 Rev. Q. See form 337 dated 06/05/2024 for more information.
5. Removed and replaced Lycoming fuel injectors with General Aviation Modifications GAMInjectors per GAMI Installation Procedure IP-98-001. See form 337 dated 06/05/2024 for more information.
6. Removed, sent for overhaul, and reinstalled McCauley propeller governor C290D3-J1T12 SN 773643, rigged per specs.
7. Removed and replaced fuel servo with PN AV2524054-11 SN AV93110, rigged per specs.
8. Removed and replaced all exhaust gaskets.
9. Removed and replaced all intake gaskets.
10. Installed CHT probes into cylinder heads for Dynon EMS.
11. Installed EGT probes into exhaust for Dynon EMS.
12. Installed fuel flow meter in series with fuel servo inlet for Dynon EMS.
13. Installed manifold pressure sensor onto firewall and plumbed.
14. Installed oil pressure sensor onto firewall and plumbed.
15. Installed fuel pressure sensor onto firewall and plumbed.
16. Installed shunt for ammeter.
17. Removed vacuum pump and associated plumbing and hardware for Dynon Installation, installed blocking plate and new gasket.
18. Removed tach cable and hardware for Dynon Installation, installed blocking cap and saftied.
19. Removed Bendix dual magneto assy and associated harness and replaced with Electroair Electronic Ignition System per Electroair Install Manual EIS-41000 Rev. 16. See form 337 dated 06/05/2024 for more information.
20. Removed and replaced all rubber hoses with new lifelong hoses from Aero Aviation Co. Hose Shop.
21. Removed and replaced forward crankshaft seal.
22. Removed and replaced engine throttle control cable with new McFarlane Aviation Vernier Assist cable.
23. Removed and replaced engine mixture control cable with new McFarlane Aviation Vernier Assist cable.
24. Removed and replaced propeller control cable with new McFarlane Aviation Vernier Assist cable.
25. Removed and replaced engine mount isolators with new lord mounts.
26. Removed OEM exhaust system and replaced with Powerflow Systems Tuned Exhaust System per Powerflow Systems Installation Instructions PFS-13752-00 Rev. F. See form 337 dated 06/05/2024 for more information.
27. Removed and replaced rocker cover gaskets with new Real Gaskets.
28. Installed Tanis TA2925-1 engine preheat kit per Tanis Installation Instructions TNP2925 Rev. E. See form 337 dated 06/05/2024 for more information.

-----Continued Onto Following Page-----

- 29. Performed Oil and Filter change
 - a. Drained oil while screening for contaminants.
 - b. Removed and replaced oil filter Tempest AA48103-2.
 - c. Inspected oil filter media and suction screen.
 - d. Installed 7 Qts of new AS 15W50 oil.
 - e. Installed 1 16oz bottle of Camguard.
 - f. Retrieved oil sample for analysis.
- 30. Removed and replaced all spark plugs with new tempest fine wire electrode plugs utilizing new gaskets.
- 31. Performed differential cylinder compression test, results as follows:
 - g. MO-42
 - h. #1) 72/80, #2) 72/80, #3) 74/80, #4) 70/80
- 32. Operational and leak checks performed and found to be satisfactory at this time.
- 33. Flight tests performed with owner of aircraft and calibration of systems completed with no defects noted at this time.
- 34. Weight and balance data updated and placed into aircraft records.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

Joseph W. Jervis A&P 3758708 IA _____



04/10/2025
Cessna 177RG
Registration N34502, Serial 177RG1296
Lycoming IO-360-A1B6D, Serial L-17636-51A
3295.7 Tach Time 1447.1 SMOH and 3295.7 TTIS

Performed a 50 hour engine inspection utilizing a supplemental Appalachian Aircraft Maintenance 50 Hour Checklist.

Maintenance Performed:

1. Cleaned engine and prepped for inspection.
2. Oil and filter change
 - a. Drained oil while screening for contaminants.
 - b. Removed and replaced oil filter Tempest AA48103-2.
 - c. Inspected oil filter media and suction screen.
 - d. Installed 7 Qts of new Phillips 20W50 oil.
 - e. Installed 8oz of Camguard.
3. Operational and leak checks performed and found to be satisfactory.

I certify that the above maintenance was performed in accordance with the current regulations of the FAA and all applicable technical data and approve the aircraft for return to service.

Tyler C Goldsberry A&P 4568804

-----No Further Entries Beyond This Line-----



07/01/2025

Cessna 177RG

Registration: N34502, Serial: 177RG1296

Lycoming IO-360-A1B6D, Serial L-17636-51A

3,329.8 Tach Time 1,173.4 SMOH 3,329.8 TTIS

Performed a 100 hour engine inspection in accordance with FAR 43, Appendix D utilizing a supplemental 100 Hour/Annual Checklist. All maintenance performed IAW applicable maintenance manuals and regulations.

AD Compliance:

1. C/W AD 2015-19-07 (Fuel Injector Fuel Lines) by inspection of fuel injector lines and clamps.

Maintenance Performed:

1. Washed engine and prepped for inspection.
2. Performed operational check of engine and recorded parameters prior to maintenance being performed and made notes of leaks and issues.
3. Performed Oil and Filter change
 - a. Drained oil while screening for contaminants.
 - b. Removed and replaced oil filter Tempest AA48103-2.
 - c. Inspected oil filter media and suction screen.
 - d. Installed 7 Qts of new AS 15W50 oil.
 - e. Installed 1 16oz bottle of Camguard.
 - f. Retrieved oil sample for analysis.
4. Removed, cleaned, inspected, and reinstalled all spark plugs using new gaskets.
5. Applied sealant to gaps in baffling.
6. Performed differential cylinder compression test, results as follows:
 - g. MO-40
 - h. #1) 74/80, #2) 74/80, #3) 72/80, #4) 70/80
7. Operational and leak checks performed and found to be satisfactory at this time.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

Joseph W. Jervis A&P 3758708 IA

-----No Further Entries Beyond This Line-----