

Engine Record General Information

Manufacturer LYCOMING Model O-360-C4F
Serial L-34703-36A Type Certificate 286
This engine is currently installed in aircraft: MAULE MXT-7-180A SN 21010C
REG. N1D29N PRODUCTION# 1983
Minimum Octane Fuel 100/100LL Oil Grade Summer 50 Winter 30
Magneto Time 25° BTC Point Setting _____ Firing Order 1-3-2-4
Spark Plug Gap _____
Manufacturer's Recommended Overhaul at 2000 hours

Engine 1

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 <u>97</u> <u>3/7</u>	<u>52.1</u>		<u>52.1</u>	Changed oil & filter. Serviced with 7qts Aeroshell w 100 oil & Champion CH 48110 oil filter. C/W 50 hr inspection as per Lycoming Operators manual. Compression #1 $75/80$, #2 $75/80$, #3 $75/80$, #4 $75/80$. Run-up & leak ck good. Metal from PC A: P340461724 3/7/97
<u>6/3</u>	<u>69.4</u>		<u>69.4</u>	Installed 8 each Champion Rem 40E plugs gapped @ .018. Run-up & mag ck good. Serial PC A: P340461224

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.)
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NOBLE FLIGHT

Aircraft N1029N Maule MXT-7-180A Date: 03/4/11 Serial #: 21010C
 Tach: 970.6 Hobbs: 1183.8 W.O. 1677

Removed this engine Lycoming O-360-C4F s/n L-34703-36A due to prop strike and sent to Mena Aircraft Engines for inspection and repair.

Mechanic: *Jason R. Hurd* A/P # 2834843 Date 3/4/11

Noble Flight Aircraft Services LLC • 118 John Glenn Dr.
 Lafayette, LA 70508 • 337.266.8991

Date: May 05, 2011

Engine Total Time: 970.6 hours

Engine Data: Textron-Lycoming engine model O-360-C4F Serial Number: L-34703-36A

Aircraft Data: Maule aircraft model MXT-7-180A Serial #21010C Registration #1029N

WORK PERFORMED: disassembled and inspect engine due to propeller strike in accordance with AD#04-10-14C1 and Lycoming SB#475C. Following components inspected and or repaired as described:

COMPONENTS

crankshaft: magnafluxed, inspected, rods and mains STD, polished journals, renitrided, cadmium plated and baked flange, c/w Lycoming SB#475C, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K, crank serial number V29309.

connecting rods(4): p/n LW11750 magnafluxed, inspected, resized, rebushed, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.

crankshaft drive gear: p/n 13S19646 magnafluxed, inspected/ repaired per Lycoming SB#475, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.

camshaft(replaced): p/n LW11754 - reconditioned and repaired i/a/w approved FAA data and procedures, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.

internal steel: cleaned, magnafluxed, inspected, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.

hydraulic lifter bodies(8): p/n 72877 - inspected visually, dimensionally, and by magnetic particle inspected method, wear faces ground to FAA approved design specifications, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.

crankcase: s/s 3127 - cleaned, zyglod, inspected, dimensionally checked, and certified by DIVCO of Tulsa, OK w/o 104432 FAA CRS#DB2R762K.

valve rocker arms(8): magnafluxed, inspected, refaced, rebushed, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.

attaching hardware: cadmium plated i/a/w UPW SP-01 Rev B, hydrogen embrittlement relieved per UPW SP-17 Rev F and UPW SP-01 Rev B, and certified by United Plating Works of Tulsa, OK w/o 434071 FAA CRS#FA2R813K.

ACCESSORIES

magneto: p/n 4371, s/n 95090213 - inspected, repaired,, tested, and certified by Mena Aircraft Engines, Inc. of Mena, AR w/o 1879A FAA CRS#S9QR340N.

magneto: p/n 4370, s/n 95090385 - inspected, repaired, tested, and certified by Mena Aircraft Engines, Inc. of Mena, AR w/o 1879B FAA CRS#S9QR340N.

Reassembled engine in accordance with Lycoming manual #60294-7 and Lycoming parts catalog #PC306-8 using the following new parts: gasket and seal set, crankshaft oil seal, crank gear screw and lockplate, connecting rod bearings STD, connecting rod bolts and nuts, main bearings STD, oil pressure relief valve ball, cylinder oil drain hoses and clamps, induction tube hoses and clamps, internal crankcase slotted nuts, valve rocker arm shaft thrust buttons, piston pin plugs p/n 72198, oil filter, valve rocker arm shafts. supplied new exhaust nuts and gaskets.

Engine Test Run and Sign-Off: this engine repaired and test run in accordance with current and applicable FAA data and procedures and is approved for return to service. c/w AD#04-10-14C1.pertinent details of the repair are on file at this repair station #S9QR340N under work order #11C-1879 by Mena Aircraft Engines, Inc. of Mena, AR Robert J. Smith #2549814 this date May 05, 2011

ENGINE MODEL:
ENGINE S/N:
REG. NO: N1029N
WORK ORDER: 3038-04-2018



Western Airways, Inc.

200 Jim Davidson Dr
Sugar Land, TX 77498
Phone: 281-565-9700

DATE: 21 May, 2018
A/C TSN: 14807
ENG TT: 12003
TACH: 12003

Engine Entries

Engine 100 HR.... Complied with a 100 Hr. Inspection of this engine IAW Maule MXT-7-180A Maintenance Manual. Ran up aircraft. Performed Compression test on hot cylinders results are #1:70/80 #2:75/80 #3:76/80 #4:76/80. Drained oil and cut open oil filter. No metal found. No visual leaks found. Lubricated engine controls. Removed and cleaned fuel screen. Removed and cleaned oil screen. Installed new CH48110-1 oil filter and safetied. Serviced engine with 7 qts of Aeroshell W100 Plus. Cleaned, inspected, and gapped spark plugs. Checked mag to engine timing. Ran engine and performed functional checks and leak checks.

Cylinders 1 and 4 have cracked exhaust connections... 5/11/18- Removed exhaust connections and shrouds to be repaired. Inspected, Installed, and Drilled new holes for repaired exhaust Welded by AWI. Ops check was good.

L/H Muffler Shroud cracked in several places... 5/11/18- Installed new L/H Heater Shroud p/n:5556-1.

Cylinder 3 leaking at intake gasket... 5/10/18- Installed new intake gasket p/n:71973 on Cylinder 3 intake I.A.W Lycoming O-360 MM.

Both left and right engine baffles are broken.... 5/10/18-Removed L/H and R/H baffling. Fabricated new sheet metal baffling exactly the same as the old baffles. Installed new rubber material p/n:JM106A.

AD research--... Performed AD research and determined that there are no new or recurring Ad's at this time.

Engine Airworthiness statement-----... This engine has been inspected IAW a 100 hr. inspection IAW Maule MXT-7-180A and Lycoming O-360 MM. I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in an airworthy condition IAW FAR Part 43, Appendix D.

All maintenance performed on this Engine was performed in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed above.

DATE: 21 May, 2018

SIGNED:

Logan Romero, A&P: 4059331

Work Order: 3038-04-2018

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