## **Engine Record** General Information

Manufacturer Lycomins	Model _ <i>O -360</i>	-C4F
Serial L - 34703 - 36A	Type Certificate	286
This engine is currently installed in air		180A 3/221010C
REG. NIDZAN PROZ		
Minimum Octane Fuel 100/10011	Oil Grade Summer 50	Winter 30
Magneto Time 25° BTC	Point Setting	Firing Order _ <i>1,3,2,4</i>
Spark Plug Gap	_	

Ensine /

Manufacturer's Recommended Overhaul at 2000 hours

19 <u>96</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11/20	20.6			Changes oil & filter. Serviced with  Tats Aeros hell Oil 100 Straight  Mineral oil & Champion CH 48110 oil  Filter. Performes 25 hr inspection  Tan Lycoming Operators manual.  Compression 478/80, #2 77/80 #3 74/80  #4 78/80. Changed Rt muffer due to cracks.  Mill fur Per  ASP 340461724
				21 78/80. Changed Rt muffer due to crocks.  Inch! In Pen ASP 340461724

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/7	52.1		52.1	Changes oil & filter, Services with
			,	79ts Aeroshell w 100 oil & Champion
	-	,		1 CH 40110 ALL GIAZ Chi 50 1
4.0				INspection As per Lycoming Operators
			1	manual, Compression #1 38/80, #3 78
				#3 75/80 #4 78/80. RVN-up i leak ell
				9000. Mahal Jame Per At 134046172
				INSpection Ax per Lycoming Operators  manual, Compression #1 28/80, #3 78/80  #3 78/80 #4 78/80. Run-up ! leak ell  9000. Mehal Janu Par At 134046172  3/7/97
6/3	69.4		69.4	Installed 8 each Champion Rem 40 E plugs gapped @ .018. Run-up; mag CK good. Smill for Asts 40461224
			,	plugs gapped @ .018. Run-up?
				mag CK 5000. Smill for As 134046122X
				, ,
			,	

19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	- I Limbo must be ent	Inspections, Tests, Repairs a dorsed with Name, Rating and Certif ir Facility. (See back pages for other	inada Mi
						: :
				NOBLE FL	IGHT	
-		craft N1029 h: 970.6	9N Maule MX Hobbs: 11		11 Serial #: 21010C W.O. 1677	
	Remo Aircra	oved this en aft Engines	ngine Lycoming for inspection an	O-360-C4F s/n L-34703-36 nd repair.	6A due to prop strike and sent to Mena	ì
	Mech	nanic:	on Kopen	A/P # 283484	43 Date 3/4/11	
				Flight Aircraft Services LLC Lafayette, LA 70508•33	•118 John Glenn Dr	. 9
						, 1

# MENA AIRCRAFT ENGINES, INC. -- FAA CRS#S9QR340N

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**

- <u>crankshaft:</u> 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.
- <u>crankshaft drive gear:</u> p/n 13S19646 magnafluxed, inspected/ repaired per Lycoming SB#475, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.
- <u>camshaft(replaced)</u>: 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.
- <u>internal steel</u>: cleaned, magnafluxed, inspected, and certified by Aircraft Specialties of Tulsa, OK w/o 205624 FAA CRS#DD2R764K.
- <u>hydraulic lifter bodies(8):</u> 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.
- <u>crankcase:</u> s/s 3127 cleaned, zygloed, inspected, dimensionally checked, and certified by DIVCO of Tulsa, OK w/o 104432 FAA CRS#DB2R762K.
- <u>valve rocker arms(8)</u>: 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 / Olux / #2549814 this date May 05, 2011

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

respect to the work performed above.

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#### 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 0-360 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

DATE: 21 May, 2018	21 May, 2018 SIGNED:		Work Order: 3038-04-2	
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19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)		
	•					
NGINE MODEL: 0-3 NGINE S/N: L-34703 REG. NO: N1029N VORK ORDER: LFT0	3-36A 100 J 0148-05-2019 Suga	stern Airw Jim Davidson D Ir Land, TX 774 e: 337-266-899	)r. 198	DATE: 18 June, 201: A/C TSN: 120: ENG TT: 120: TACH: 120:		
Ingine Entries						
contamination, none coessories, fuel sy counts. Removed of his time. oles in carburetor	e noted. Installed r stem, exhaust sys gascolator, cleane	new Champio stem, wiring, o d, inspected Removed car	ducts, hoses, tul and re-installed.	tested, and re-installed all spark plugs. Removed engine oil filter, cut open and inspected for CH48110-1 and safetied with .032" stainless steel safety wire. Cleaned engine. Inspected all baffles, bing, cylinders, starter, alternator, crank case, and mounts. Checked torque on engine to firewall Lubricated all engine controls. Researched ADs through ATP revision 06/15/2019. No new ADs at kible duct from induction air box and left exhaust shroud. Installed new Sceet duct P/N SCEET12. All		
ngine induction air	r filter due replacei	ment Rem	oved and replac	ed engine induction air filter Brackett P/N BA-6108 I.A.W. Maule MXT-7-180A M.M.		
				spected I.A.W a 100 hour inspection and was determined to be in an airworthy condition at this time.		
I maintenance perfor ork performed above	med on this Engine v		1/1	current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the		
	19	SIGNED:	1 801 10	Work Order: LFT0148-05-2019		
ATE: 18 June, 201						
ATE: 18 June, 20		Mark Suire	, A&P: A&P 40342	Printed by EBis 3 (datcomedia.com)		
ATE: 18 June, 20		Mark Suire	, A&P: A&P 40342	Printed by EBis 3 (datcomedia.com		