

#3



Millennium Engine™

**Engine Maintenance
History**

N20313

SUPERIOR
AIR PARTS, INC.

**621 South Royal Lane, Suite 100
Coppell, Texas 75019-3805
972 - 829 - 4600**



Millennium Engine

ENGINE MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. 20313

Engine Manufacturer Lycoming

Model D-360-A1F6D

Serial No. L-22930-36A

Date installed on aircraft _____

Time Between Overhauls (TBO) _____

If used on multi-engine aircraft:

RIGHT

LEFT

FRONT

REAR

DATE

TACH OR
RECORDING
METER TIMEDESCRIPTION OF WORK PERFORMED
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**WESTERN
Skyways
INC.**

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place
Montrose, CO 81401
www.westernskyways.com(800) 575-8929
(970) 249-5232
FAX (970) 249-4156

Engine Make: LYCOMING Model: O-360-A1F6D
 Serial Number: L-22930-36A W/O No: S2632 Date: 07/01/05
 Warranty Number: 2105 Warranty Start Date: 07/05
 Crankshaft Serial No: 113363 Cylinder Part Number: SL36000W-A20P

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: 60294-7-9 See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 3638.2 Hrs.

This engine meets requirements of LYCOMING SI-1009AQ for 2000.0 Hour TBO.

The accessories listed below were new or overhauled and supplied with this engine:


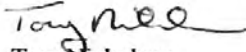
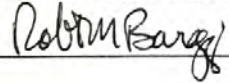
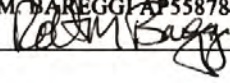
Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag.	BL-682555-11	G05DA050R	Vac Pump	N/A	N/A
R/H Mag.	DUAL	DUAL	Wastegate	N/A	N/A
Fuel Pump	LW-15472	0205	Alt/Gen	N/A	N/A
Inj/Carb	10-5034	BU-15-1743	Pop Off	N/A	N/A
Man Valve	N/A	N/A	Controller	N/A	N/A
Starter	MZ-4222	F020686	VAPC	N/A	N/A
Turbo	N/A	N/A	Controller	N/A	N/A
			Tach Gen	N/A	N/A
			Hyd Pump	N/A	N/A

MAINTENANCE RELEASE


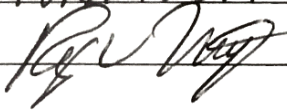
The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.


Signature:

Repair Station No. WS9R575J


DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		 WESTERN Skyways <small>INC.</small> GOLD SEAL AIRCRAFT ENGINES 21 Creative Place Montrose, CO 81401 CRS # WS9R575J O-360-A1F6D S/N: L-22930-36A TTE: 3638.2 : Hrs. W/O: 18995 Date: 09/08/05 This engine was completely disassembled for cylinder corrosion. Cylinders were honed and re-ringed. Engine was reassembled using new gaskets, seals rod and main bearings, nuts and bolts. Engine was run in a test cell for leak and operations check. All work was done per Lycoming Overhaul Manual 60294-7-9, Table of limits and applicable Service Bulletins. The engine and/or component identified above was repaired and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this Repair Station under above work order. <div style="text-align: right;">  Tory Nicholson Western Skyways, Inc. CRS # WS9R575J </div>
10-1-05	3638.5 ØSMOH	THIS ENGINE INSTALLED ON N20313. SERVICED WITH 8 QTS AEROSHHELL MINERAL OIL. GROUND RUN AND FLIGHT TESTS GOOD.  558788862 IAP
		I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. ROBERT M. BAREGGI AP558788862 IA 

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3-6-07	3677.9	ALL 4 CYLINDERS WERE REPLACED WITH NEW LOADED
	39.4 smoh	POWER ASSEMBLIES. SIN' #1 366 ^{FX} MW 0610435
		#2 366WM0610439 #3 366WA0710515
		#4 366WA 0710620. THIS WAS A SUPERIOR AIR PARTS
		RECALL PER SB B06-01D. INSTALLED NEW OIL
		FILTER. SERVICED WITH 8 QTS A/S 100 MINERAL
		OIL. CLEANED, GAPPED & ROTATED SPARK PLUGS.
		ENGINE GROUND RAN & ACFT TEST FLOWN. ALL
		OPERATIONAL & LEAK CHECKS GOOD.
		<i>Robert M. Bareggi</i> IA 558788862 AP
3-6-07	3677.9	I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN
	39.4 smoh	INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u>
		INSPECTION AND WAS DETERMINED TO BE IN
		AIRWORTHY CONDITION.
		ROBERT M. BAREGGI AP558788862 IA <i>Robert M. Bareggi</i>
11-4-15	3678.0	DRAINED OIL. SERVICED WITH 8 QTS AEROSHELL
	39.5 smoh	100 MINERAL OIL. INSTALLED NEW CH 48103 OIL
		FILTER, OLD FILTER OPENED. NO CONTAMINATION.
		CLEANED, GAPPED AND ROTATED SPARK PLUGS.
		COMPRESSION TEST: #1 ⁷⁸ / ₈₀ #2 ⁷⁸ / ₈₀ #3 ⁷⁸ / ₈₀ #4 ⁷⁸ / ₈₀ .
		GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD.
		I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN
		INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u>
		INSPECTION AND WAS DETERMINED TO BE IN
		AIRWORTHY CONDITION.
		ROBERT M. BAREGGI AP1868517 IA <i>Robert M. Bareggi</i>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3/25/16	3702.7 SMOH 64.2	DRAINED OIL, SERVICED WITH 8 QTS AEROSHELL 100 MINERAL OIL, INSTALLED NEW CH48103 OIL FILTER, CUT OPEN OLD FILTER FOUND OK, GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. ROBERT BAREGGI  1868517AP
11-18-16	3737.1 TSOH 98.6	THIS ENGINE HAS BEEN INSPECTED I.A.W. A 100 HR INSPECTION. FOLLOWING FAR #3 APPENDIX D AND CESSNA CHECK LIST. COMPRESSIONS ① $\frac{79}{80}$ ② $\frac{79}{80}$ ③ $\frac{79}{80}$ ④ $\frac{79}{80}$ CHANGED OIL AND FILTER CH48103-1 SERVICED WITH 8 QTS AEROSHELL 100W OIL, CLEAN AND GAPPED SPARK PLUGS. CHECK MAG TIMING, GROUND RAN WITH NO LEAKS AND NORMAL OPS. RETURN TO SERVICE FOR WORK PERFORMED  ADP 3596709

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		<p>HORTON AVIATION SERVICES LLC FAA CRS YHSR-284L 2732 PERIMETER ROAD, SUITE 101 N. LAS VEGAS NV 89032 N# N20313 MFG.CESSNA MODEL 177B S/N 17702657W.O. 19-158 DATE 6/17/2019 TACH. 3825.1 Troubleshot carb heat system and resecured cable hold down clamp. The aircraft and/or component above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR RETURN TO SERVICE.</p> 

ENGINE MODEL
O-360-A1F6D
ENGINE S/N L-22930-36A
REG NO N20313
WORK ORDER
VGT11429-10-2019

 **Lone Mountain Aviation, Inc.**
Repair Station No. L90R473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone (702) 309-2200

DATE 10/29/2019
AVC TSN
ENG TT
TACH 3858.2

Engine Entries

Changed oil and filter. Cut open filter and checked for metal - none found. Serviced with 8 qts. of Aeroshell W100. Oil sample taken. Engine run and leak check good.

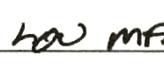
The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE 10/29/2019

SIGNED 
Anthony Zeka
Certified Repair Station No. L90R473Y

Work Order: VGT11429-10-2019

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10/21/2020	TACH Time 3908.5	<p>Complied with 100 HR INSPECTION USING CESSNA 177 INSPECTION CHECK LIST. DRAINED OIL. CUT OIL FILTER NO DEFECTS FOUND. SERVICED WITH 8 QTS PHILLIPS W100. OIL FILTER 1/N CH48103-1 CLEANED GAPED & TESTED SPARK PLUGS. LUBRICATED ENGINE CONTROLS. COMPLIED WITH COMPRESSION CHECK 1) 79/60 2) 77/60 3) 79/60 4) 79/60. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME.  LOW MAXSON AWP 2097640</p>
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DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
03/04 2020	TACH TIME 3958.9	<p>complied with 50 HOUR oil change. CHANGED OIL + FILTER FILTER P/N CH48103-1 ADDED 8 QTS PHILLIPS W100 AND ADDED CAMBARS ALL WORK DONE IAW CESSNA 177SM. good</p> <p>L. B. J. AIP 2697640. LOU MAXSON</p>
06/06/2020	3990.5	<p>complied with 100HR/ANNUAL INSPECTION USING CESSNA 177B INSPECTION CHECK LIST. CHANGED 8 SPARK PLUGS. P/N BHM40E. complied with compression check 1) 78/80 2) 77/80 3) 78/80 4) 72/80. complied with muffler inspection. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW A 100HR/ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME. L. B. J. AIP 2697640</p>
		<p>Cessna 177B</p> <p>N20313</p> <p>Engine: O-360-A16FD</p> <p>S/N L-22930-36A</p> <p>Tach time: 4003.4</p>
		<p>Complied with engine oil change. Removed and cut engine oil filter, installed new oil filter P/N CH48103-1. Serviced with 8 QTS of Phillips W100. All work done IAW Cessna 177 SM. Removed 6 row oil cooler P/N8406R S/N unreadable using Cessna 177B SM section 11. Installed 10 row oil cooler P/N 8001646 S/N 4721381 using Cessna 177B SM section 11. System ops checked good at this time. L. B. J. AIP 2697640 LOU MAXSON</p>

