## N3618M LOG #2









Engine Record General Information			
Manufacturer Lycoming Serial L-31560-36A	Model	0-360-A	4M
Serial L-31560-36A		_ Type Certificate	286
This engine is currently installed in aircraft:			
Minimum Octane Fuel	Oil Grade: Summer		_ Winter
Magneto Time	Point Setting		Firing Order
Spark Plug Gap			*
Manufacturer's Recommended Overhaul at	hou	ırs	

nician or

**ENTRY** ENGINE

## 8240-087 (013) Hayward, California 94541 51299 Skywest Drive

## CORPORATION SUBURBAN AIR



J. Carter AP3419249PP

in this record prior to carrying of passangers

DATE 12/10/2015

JOB 3397 AIRCRAFT N3618M TACH 3062.5 HOBBS: 4393.9

until changed and entered into this record. A flight test under FAR 91 407(b) must be performed and its results logged Drained oil and serviced with 8 qts of Aeroshell 100W AD Mineral Oil. This engine is now operating on MINERAL OIL current Lycoming overhaul, service, and parts manuals. Re-installed exhaust system with new gaskets P/N SL-77611 #9529 Installed cylinder with all new gaskets. Torqued base nuts and associated hardware as per all applicable and Installed overhauled cylinder P/N LW-12427 Overhauled by Tim's Aircraft Engines of Long Beach, CA Work Order Determined signifigant oil leaking in cylinder Removed cylinder for overhaul. Cylinder found to be worn beyond limits. Performed operational check and test flight. Rough running condition persisted. Found Cylinder #4 oil fouled. magnetos with new gaskets P/N. LW-12681 and set magneto timing to 25 degrees advanced as per type certificate S/N 07122210, Unknown TT 500 hr completed by Aircraft Electrical Components Inc. See invoice #31120 Installed Components Inc. See invoice #31102. Removed Right Slick Magneto 4370 S/N 99021237 and installed Slick 4370 S/N 91120279 and installed Slick 4371 S/N 07121508 Unknown TT 500 ht completed by Aircraft Electrical Owner reports rough running engine. Requests magneto replacment. Removed Left Slick Magneto 4371

I certify that this aircraft has been found to be in airworthy condition and is approved for return to service only for the work performed

Repair Facility (See back pages for other specific entries.) Entries must be endorsed with Name, Rating and Certificate Number of Technician or Description of Inspections, Tests, Repairs and Alterations

SEBAICE TIME IN FLIGHT JATOT RECORDING TODAY'S

20 **MABY** 

TIME HOAT

**DATE** 

**ENTRY** ENCINE

(210) 780-0428 Hayward, California 94541 21599 Skywest Drive

CORPORATION SUBURBAN AIR

DATE 11-2015

JOB 3366 AIRCRAFT N3618M TACH 3058.0 TSOH 1239.3 TTE 5533.6

MODEL Lycoming 0360-A4M S/N L31560-36A

engine, leak and ops check good. Venfied AD's current and complied with through AD 2015-02-07. All work completed gaskets (P/N M674) Replaced alternator belt and pulley, tensioned/safetied belt and secured winng. Ground ran of Aeroshell 100W plus oil Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs using new (P/N AA48110-1) Examined old oil filter element and suction screen, no defects noted Serviced engine with 8 quarts Compression results #1-76/80, #2-74/80, #3-70/80, #4-74/80. Drained oil Removed and replaced oil filter with new

and has been determined to be in an airworthy condition. I certify that this engine has been inspected in accordance with FAR 43 Appendix D (Annual Inspection)

Scott D Franges A&P 3393208 IA

YEAR RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations FLIGHT TIME IN 20 Entries must be endorsed with Name, Rating and Certificate Number of Technician or TIME SERVICE DATE Repair Facility. (See back pages for other specific entries.) SUBURBAN AIR 21599 Skywest Drive ENGINE Hayward, California 94541 CORPORATION (510) 780-0428 **ENTRY** JOB 3460 AIRCRAFT N3618M TACH 3081.5 HOBBS: 4416.7 DATE: 3/3/2016 Drained oil. Removed old filter and inspected; no signs of contamination. Installed and safetied new Tempest AA48110-2 filter Serviced with 8qts Aeroshell 100W Plus. Cleaned, gapped and tested spark plugs. Rotated and reinstalled with new M-674 gaskets. Performed operational run up and leak check. Found satisfactory. This signature constitutes the approval for return to service only for the work performed. J. Carter AP 3419249

YEAR

20

DATE

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



## SUBURBAN AIR

21599 Skywest Drive Hayward, California 94541 (510) 780-0428 ENGINE ENTRY

JOB: 3698 AIRCRAFT: N3618M TACH: 3142.0 TSOH: 1323.3

MODEL: 0-360-A4M S/N: L-31560-36A

DATE: 12/1/2016

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

Scott D Franges A&P 3393208 IA

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TACE	RECORDING TODAY'S 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.)					
-;-	SU	(		I AIR	21599 Skywest Drive Hayward, California 94541 (510) 780-0428	ENGINE ENTRY				
1			3618 <b>M</b> TA		TSOH 1358.8 TTE 3177.5	DATE: 12/07/2017				
of Aeros gaskets rod failu	Compression results #1-72/80 #2-63/80, #3-72/80, #4-72/80 Drained oil Removed and replaced oil filter with new IP/N AA48110-2) Examined old oil filter element and suction screen, no defects noted. Serviced engine with 8 quarts of Aeroshell 100W plus oil. Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs using new gaskets (P/N M674). Ground ran engine, leak and opsicheck good. No defects noted at this time. Complied with con rod failure AD2017-16-11 by log audit, N/A by model/serial number and O/H date. No other applicable engine. ADs due at this time. All work completed referencing Piper parts/service and Lycoming operators manuals.——END——END——END———END——————————————————									
I certify	that this e	ngine I	nas been in		cordance with FAR 43 Appendix D					
Scott D	Franges A	&P 339	3208 IA	1.45						

4	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number	r of Technician o
				Repair Facility. (See back pages for other specific entries.)	
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		1	M		
	Tr	i - Vall	ey Av	iation	
	A I	reraftS	ervices&	Ropair	
	333 W	est Jack Lor	ndon Blvd #144	Livermore, Ca 94551 (925) 455-5802	
	Nove	mber 1, 2018	R Tach: 3	256.3 SMOH: 1437.6 N3618M	
	Insner	cted this End	ine IAW an ar	nual inspection as per FAR 43 °D° Compression check #1 70/80, #2 73/80, #3 72/80,	
	#4.75	/80 Change	d oil/filter with	8 ats of Aeroshell 100w Plus and AA48110-2. Replaced intake filter BA-3 Replaced	
	all spa	ark plugs UR	EM38E. Adjus	at idle mixture. Test Run and Leak Checked no defects found all temps and pressures	
				ne has been inspected IAW an annual inspection and determined to be in an	
		rthy conditi		11/2/	
	Chris	Hamilton 279	99543 APIA		
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TODAY'S TOTAL TACH TACH TACH TACH TACH TACH TACH TACH			#4 75/80 Changed oil/filter with 8 qts of Aeroshell 100w Plus and AA48110-2. Service spark plugs and replaced normal. I certify that this engine has been inspected IAW an annual inspection and determined to be in an Chris Hamilton 2799543 APIA  #4 75/80 Changed oil/filter with 8 qts of Aeroshell 100w Plus and AA48110-2. Service spark plugs and replaced normal. I certify that this engine has been inspected IAW an annual inspection and determined to be in an Chris Hamilton 2799543 APIA	333 West Jack London Blvd #144 Livermore, Ca 94551 (925) 455-5802  December 18, 2019 Tach: 3312.5 SMOH: 1493.3 N3618M  Inspected this Engine IAW an annual inspection of FAB 43.50.	Tri-Valley Aviation		TACH TACH TIME  TIME  TODAY'S 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.)
Tests, Rame, Rationed ped all eleboth month. 28063	Vacuum failed. R&R same, RAP215CC, S/N A75783. Ran up engine confirmed vacuum system working properly. Mike Gustafson, A&P/I.A. 2806323 M MMO	8/15/2021 Tach 3380.7, SMOH 1623.8	determined to be in an airworthy condition. Mike Gustafson, I.A. 2806323.	S.L.1141, safety wiring on Gascolator. Clean fuel filters. Checked both mag. timing. Changed oil and filter, CH48110-2, 7 qts Shell 100W Plus, oil analysis, cut open oil filter. Replaced air filter, BA-3.	Compression Test, #1=73, #2=75, #3=74, #4=75. Cleaned and gapped plugs.	1/01/2021 Tach 3380.7, SMOH 1561.5	1 2 2 1

EAR 0	RECORDING TACH TIME	TODAY'S FLIGHT	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.)	YEAR 20 DATE	RECORDING TACH TIME		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.)
2/1	5/2023 Tac	h 3444.4	, SMOH 16	625.2 TT Eng 3444.4			000	-	
AD S.L. filte	70-16-05. In 1141, safet or, CH48110	nspected y wiring 0-2, 7 qts	d fuel and o on Gascola Shell 1000	#3=74, #4=78. Cleaned and gapped plugs. Pressure tested muffler per oil hoses per AD 96-26013. Lubed all engine controls. Comply with ator. Clean fuel filters. Checked both mag. timing. Changed oil and W Plus, cut open oil filter. Replaced air filter, BA-3.  inspected in accordance with an annual inspection and was condition. Mike Gustafson, I.A. 2806323.					
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		) in 10 mm							