

N3618M

LOG #2



*The Standard*

**ENGINE LOG**

**ASA-SE-1**

## Engine Record General Information

Manufacturer Lycoming Model O-360-A4M

Serial L-31560-36A Type Certificate 286

This engine is currently installed in aircraft: Piper PA28-181 N3618M

Minimum Octane Fuel \_\_\_\_\_ Oil Grade: Summer \_\_\_\_\_ Winter \_\_\_\_\_


Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer's Recommended Overhaul at \_\_\_\_\_ hours



YEAR	20	DATE
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**  
 CORPORATION  
 21599 Skywest Drive  
 Hayward, California 94541  
 (510) 780-0428

**ENGINE ENTRY**

JOB 3366 AIRCRAFT N3618M TACH 3058.0 TSOH 1239.3 TTE 5533.6 MODEL Lycoming O360-A4M S/N L31560-36A	
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.	
Compression results #1-76/80, #2-74/80, #3-70/80, #4-74/80. Drained oil. Removed and replaced oil filter with new (P/N AA48110-1) 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 engine, leak and ops check good. Verified AD's current and complied with through AD 2015-02-07. All work completed referencing Piper Parts/Service and Lycoming Operators Manuals.	
END	
DATE: 11-4-2015	

*Scott D Franges*

Scott D Franges A&P 3393208 IA


 <div> <b>SUBURBAN AIR</b>        CORPORATION        21599 Skywest Drive        Hayward, California 94541        (510) 780-0428     </div>	<b>ENGINE ENTRY</b>
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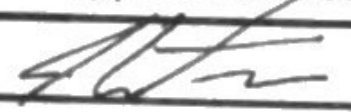
JOB 3397 AIRCRAFT N3618M TACH: 3062.5 HOBBS: 4393.9 DATE 12/10/2015
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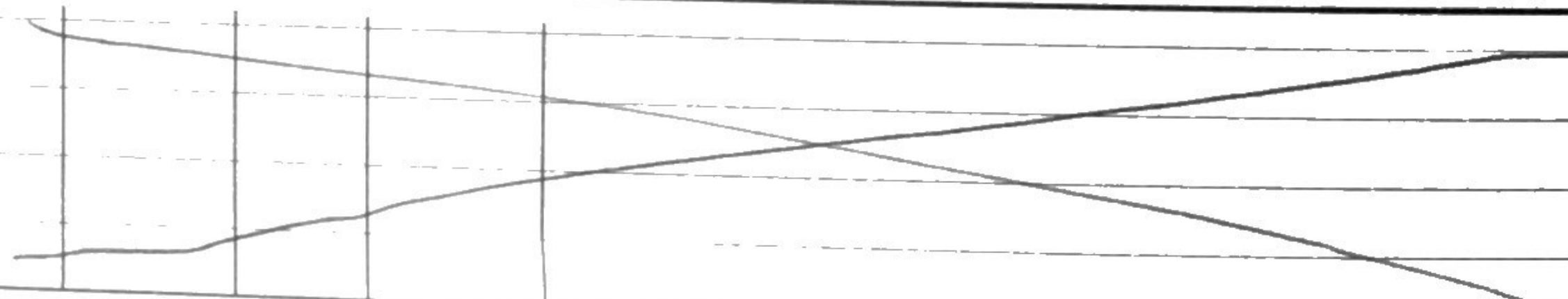
Owner reports rough running engine. Requests magneto replacement. Removed Left Slick Magneto 4371 S/N 91120279 and installed Slick 4371 S/N 07121508 Unknown TT. 500 hr completed by Aircraft Electrical Components Inc. See invoice #31102. Removed Right Slick Magneto 4370 S/N 99021237 and installed Slick 4370 S/N 07122210. Unknown TT. 500 hr completed by Aircraft Electrical Components Inc. See invoice #31120. Installed magnetos with new gaskets P/N: LW-12681 and set magneto timing to 25 degrees advanced as per type certificate. Performed operational check and test flight. Rough running condition persisted. Found Cylinder #4 oil fouled. Determined significant oil leaking in cylinder. Removed cylinder for overhaul. Cylinder found to be worn beyond limits. Installed overhauled cylinder P/N: LW-12427. Overhauled by Tim's Aircraft Engines of Long Beach, CA Work Order #9529. Installed cylinder with all new gaskets. Torqued base nuts and associated hardware as per all applicable and current Lycoming overhaul, service, and parts manuals. Re-installed exhaust system with new gaskets P/N SL-77611. Drained oil and serviced with 8 qts of Aeroshell 100W AD Mineral Oil. This engine is now operating on MINERAL OIL until changed and entered into this record. A flight test under FAR 91 407(b) must be performed and its results logged in this record prior to carrying of passengers.
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.
J. Carter AP3419249PP




YEAR 20__ DATE	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.)
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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 re-installed 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 	




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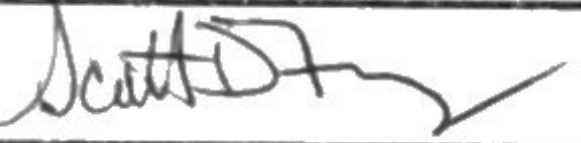
JOB 3698 AIRCRAFT: N3618M TACH: 3142.0 TSOH: 1323.3 MODEL: O-360-A4M S/N: L-31560-36A	DATE: 12/1/2016
Compression results: #1-76/80, #2-76/80, #3-76/80, #4-72/80. Drained oil. Removed and replaced oil filter with new (P/N: AA48110-2). Examined old oil filter element and suction screen, no defects noted. Serviced engine with 8 quarts of Aeroshell W100 Plus oil. Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs using new gaskets (P/N: M674). Set idle mixture adjustment. Timed both magnetos to the engine. Ground ran engine, leak and ops check good. No applicable AD's due at this time. All work performed referencing Piper parts/service and Lycoming operators manuals. -----END-----	
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 	

YEAR 20____ DATE	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.)
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	<b>SUBURBAN AIR</b> PROFESSIONAL	21599 Skywest Drive Hayward, California 94541 (510) 780-0428	<b>ENGINE ENTRY</b>
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JOB 4006 AIRCRAFT N3618M TACH 3177.5 TSOH 1358.8 TTE 3177.5 MODEL O-360-A4M S/N L31560-36A	DATE: 12/07/2017
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Compression results #1-72/80 #2-63/80 #3-72/80 #4-72/80 Drained oil. Removed and replaced oil filter with new (P/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 ops check 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-----

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 

YEAR 20____ DATE	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.)
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333 West Jack London Blvd #144 Livermore, Ca 94551 (925) 455-5802

November 1, 2018 Tach: 3256.3 SMOH: 1437.6 N3618M

Inspected this Engine IAW an annual inspection as per FAR 43 "D" Compression check #1 70/80, #2 73/80, #3 72/80, #4 75/80. Changed oil/filter with 8 qts of Aeroshell 100w Plus and AA48110-2. Replaced intake filter BA-3. Replaced all spark plugs UREM38E. Adjust idle mixture. Test Run and Leak Checked no defects found all temps and pressures normal. I certify that this engine has been inspected IAW an annual inspection and determined to be in an airworthy condition.

Chris Hamilton 2799543 APIA







