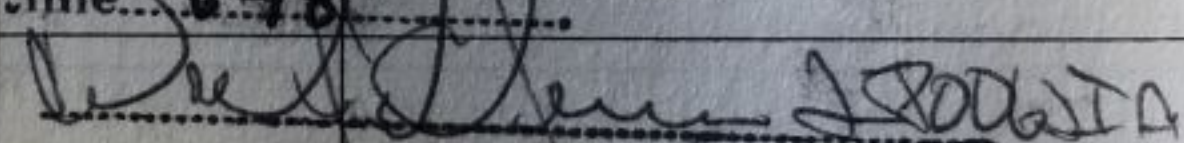


ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
		XXXXXXXXXXXXXXXXXXXX		
			Date <u>02/13/2010</u>	
		I certify I have inspected this <u>ENGINE</u> in accordance with a <u>100 Hrs INSP. / ANNUAL INSP.</u> inspection and found it in airworthy condition. Tach reading <u>2540</u> Aircraft total time <u>2540</u> R. Engine time <u>775</u> 7002. L. Engine time <u>648</u>		
			 <u>J. P. DUBOIS</u>	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
1/12/13 TACH2614 TSMO 849 ENT 2614		
<p>Performed an Annual inspection per FAR 43 App D Compression as follows ① 80/80, ② 80/80, ③ 80/80, ④ 72/80 ⑤ 79/80, ⑥ 74/80. Performer runup ops checked good no defects. inspected timing and cleaned and inspected spark-plugs no defects noted, All applicable AD's complied with at this time. <i>Main Tony</i> I certify that this engine has been inspected per FAR 43 App D Annual Inspection and was determined to be in Airworthy condition.</p>		AP 366903174 IIA
<i>Main Tony</i>		AP 366903174 IIA

ENGINE LOG



PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036

FAX 517 279-2363

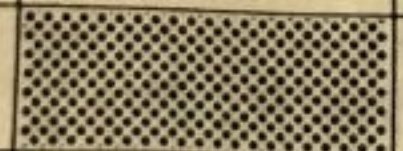
02/12/2013	N33420M	IO-540-K1G5D	TACH: 2621.	L-17580-48A
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Performed oil change drained oil and removed oil filter and suction screen inspected filter and screen for contaminates both check satisfactory. Installed new oil filter P/N CH48103-1, reinstalled suction screen with new gasket and serviced engine with 20W50XC oil. Performed run up ops and leak checked, no defects noted. I certify that the above component is approved for return to service.

Monico Lopez

Monico Lopez AP3692583

Total To Carry Forward





PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036

FAX 517 279-2363

09/30/2013

N3420M

Tach: 2676.01

Performed oil change drained oil and removed oil filter and suction screen inspected filter and screen for contaminates both check satisfactory. Installed new oil filter P/N AA48103-2, reinstalled suction screen with new gasket and serviced engine with 20W50XC oil. Performed run up ops and leak checked, no defects noted. I certify that the above component is approved for return to service.

Monico Lopez
Monico Lopez AP3692583



11/20/2013

N3420M

Tach: 2699.12

Removed engine driven fuel pump P/N LW-15473 S/N AA13272 and installed new fuel pump P/N AF-15473 S/N 04CW28. Installed E-Z Heat 540 oil pan heater P/N 07-05345 and installed pan heater plug to right FWD engine baffle. Performed run up ops check satisfactory no defects noted at this time. I certify that the above component is in airworthy condition and can be returned to service.

Monico Lopez
Monico Lopez AP3692583

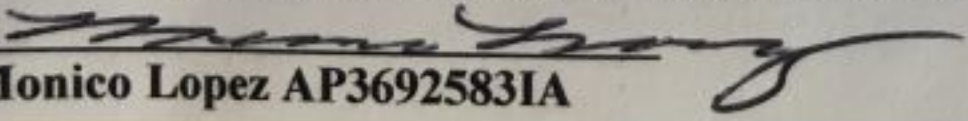
Elite Air Service 300 Airport dr
Coldwater MI 49036
517 278-6516



7/07/2014 N3420M Tach: 2728.66 TSMO: 963.66 S/N L-17580-48A

Inspected Engine per FAR 43 apx D Annual inspection. Performed oil change drained oil, removed oil filter and suction screen inspected for contaminants found metal in screen and filter.

The following work was performed. Removed engine from airframe N4320M. Flushed engine oil system, oil coolers and hoses. Removed all cylinders, magneto, fuel pump, vacuum pump, prop governor, alternator, starter, servo, accessory case, and oil sump. Found oil sump baffle P/N 72958 cracked and coming apart. Removed oil sump baffle P/N 72958 and installed new oil sump baffle P/N LW-13383 with supports P/N LW-13384 four each, P/N LW-13385 two each per Lycoming Service Instruction No. 1279C. Reinstalled oil sump, reinstalled accessory case and reinstalled engine to aircraft N4320M. Installed oil filter adapter with new gasket P/N 06B23072, Vacuum pump reinstalled, fuel pump and servo, reinstalled, and magneto was reinstalled with new cushions P/N 68H22624 . Removed all six rods sent out for inspection and re-bushing, reinstalled rods using new rod bearings set P/N 244431, rod bolts P/N 75060, and rod nuts P/N LW-12186. Installed six overhauled cylinders see 8130 tag for cylinder details. Replaced crankshaft seal with new P/N LW-15628, replaced one rocker cover with new P/N 68795. Installed new oil temp sender P/N A145200


Monico Lopez AP3692583IA



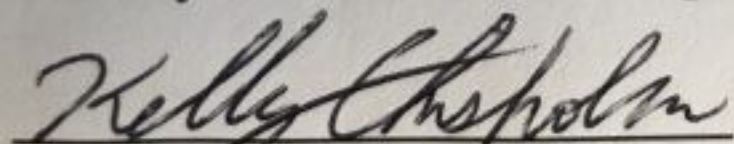
07/07/2014

N3420M

Tach: 2728.66

Spark plugs cleaned and inspected. Two spark plugs replaced with new RHM38E. Baffling repaired with four MS20470AD4-4 rivets, two MS20470AD4-5 rivets, 2 MS20470AD5-6 rivets, and 59477 cherry max rivets. Baffling reinstalled with one AN4-4A, seven AN365-1032A, six AN526C1032R8, seven AN960-10L, on AN960-616L, one Ms35333-42, five AN526C832R8, two AN365-832A, two AN960-8L, and one AN515B8R8. Oil coolers and oil lines flushed and reinstalled with eight AN960-10 and eight AN365-1032A. Oil filter replaced with new CH48103-1. Fuel injectors were removed and sent to D&G Supply for cleaning, see 8137 tag for details. Six 2524107 fuel injectors were reinstalled. Fuel lines reinstalled with fourteen AD12/AD13, fourteen AN526C832R8, fourteen AN365-832A, and fourteen AN960-8L in accordance with AD 2011-26-04. Replaced hardware as with six AD4, two AN526C832R8, two AN365-832A, two AN960-8L, two AN3-3A, two AN960-10L, one AN515B8R8, four AN363-832, and four AN960-8L. Twelve quarts of M100W was added to engine.

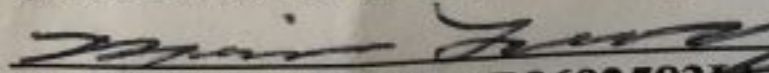
I certify that the above component is in airworthy condition and can be returned to service.


Kelly Chisholm AP 3727248

Elite Air Service 300 Airport dr
Coldwater MI 49036
517 278-6516

7/07/2014 N3420M Tach: 2728.66 EngineTT: 2728.66 TSMO: 963.66 S/N L-17580-48A

Performed run up ops and leak checked engine and accessory's no defects noted at this time
I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

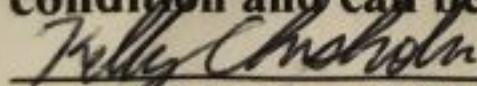

MONICO LOPEZ AP36925831A

Elite Air Service 300 Airport dr
Coldwater MI 49036
517 278-6516



10/21/2014 N3420M Tach:2748.83

Performed oil change. Drained oil and removed oil filter and suction screen. Inspected filter and screen for contaminants; none found at this time. Installed new oil filter CH48103-1, reinstalled suction screen with new gasket MS35769-21 and serviced engine with 20W50 mineral oil. Performed run up ops and leak checked; no defects noted. I certify that the above component is in airworthy condition and can be returned to service.


Kelly Chisholm AP 3727248

Elite Air Service 300 Airport Dr
Coldwater, MI 49036
517 278-6516

FAA - PMA

This tag certifies that Sky-Tec Model No. 149-NL
Serial No. FN-021628 was manufactured new on 15 Jan 2016
by Sky-Tec under the authority of FAA-PMA No. PQ0852SW
Supplement No. 7 in accordance with Sky-Tec's
FAA-Approved Quality System (14CFR Part 21, Subpart K).
This article has been determined to be airworthy.

For installation eligibility see www.skytecair.com/eligibility.htm

Installed on **N** 3420M by George Hovey
(Aircraft) (Mechanic)
A&P 3346850

HOVEY'S Aviation

Date: 28 April 2016
Model: IO 540 K1G5D
Total Time:
Make: Lycoming

N#: N3420M
Serial #: L-17580-48A
Tach: 2814.86
TSO:

1. Removed MZ-4222R starter.
2. Installed Sky-Tec PMA No. PQ0852SW model 149-NL s/n FN-021628 starter.
3. Ops checked good. Updated weight and balance and equipment list.
4. Replaced attach bolt on prop governor control reb.
5. Replaced fillister screws for air box to lower cowling.

George Hovey
George Hovey
A&P 3346850 IA



Elite Air Service 300 Airport Dr. Coldwater MI 49036 517 278-6516

1/2/2017, N3420M, 1977 Piper PA32RT-300 Lance, S# 32R-7885007, Lycoming IO-540-K1G5D, S# L17580-48A,
Tach 2837.1, TTE ~~1073.1~~ 2837.1

Inspected engine as required by FAR91.409(a)(1) per engine checklist meeting requirements of FAR 43.15(c)(1) and FAR 43 appendix D. Compressions are as follows: #1/77, #2/75, #3/77, #4/76, #5/75, #6/77.

Removed and replaced the following parts: Oil filter housing gasket PN 06B23072, oil hoses engine to oil cooler 63901-100, 63901-99, 63901-98, Spark plug RHM38E,

CW AD 95-26-13 Oil Hose inspection, CW by replacement, Inspection next **due at annual.**

Next replacement due in **1000 hrs or 7 years.**

CW 2002-12-07 Oil filter base gasket, CW by inspection and replacement. no longer due

CW 2015-19-07 External Fuel lines, CW by inspection. **Next due at uncowling.**

All work was completed in accordance with Piper PA32RT-300 and Lycoming IO-540-K1G5D maintenance documents.

Completed post inspection operational check per FAR43.15(c)(2). This engine was inspected in accordance with an annual inspection and has been determined to be in an airworthy condition at this time.

Rueben A Walkup A&P 3368961 IA

YEAR:	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.)
DATE				



04/23/2020 N3420M PA-32RT-300 Lyc. IO-540-K1G5D serial #L-1788-48A TTE: 2854.55 SMOH:1090.55

Performed Annual inspection per FAR 43 Appendix "D" check sheet. Aircraft ran up pre-inspection, oil drained. Cylinder compression #1-75/80, #2-78/80, #3-78/80, #4-78/80, #5-78/80, #6-79/80. All spark plugs cleaned, gapped, and tested replaced all gaskets P/N MS17840-1. Oil filter opened and checked found to have normal carbon deposits. Replaced with new Tempest AA48103-2 oil filter. Added 1 pint CamGuard P/N 08-07097-1, added 12 qts Phillips XC 20W50. All injector lines inspected for security, cleaned all injectors. Flow divider safety wired. Oil cooler baffle cracked and missing, fabricated & repaired. Exhaust system removed, upper P/N 38159-02 and lower P/N 38162-06 muffler shrouds replaced with new units installed with all new hardware. New exhaust gaskets P/N SL77611 used. Timing checked. Air filter checked, Post inspection run no discrepancies noted.

[Signature] FA 3211171