ENGINE MAINTENANCE RECORDS

Log No.
Aircraft Registration No. N.
Engine Manufacturer
Model MYT 0-548- E4A6
Serial No. AV 537 943 884
Date installed on aircraft 5-15-08
Time Between Overhauls (TBO)Hours
If used on multi-engine aircraft:
☐ Right ☐ Left ☐ Front ☐ Rear

This TMX Experimental Aircraft Engine has been assembled according to the procedures listed in the lates Lycoming Direct Drive Overhaul Manual P/N 60294-7 by Teledyne Mattituck Services at its Mattituck, Ne This TMX engine, although assembled for experimental use, has followed the same in-house FAA approve assembly inspection protocols used during the repair and overhaul of FAA certified engines. The engine was test cell run and found to be performing to specification. All FAA AD notes applicable to the engine as a whole, the accessories supplied with the engine or any part used in the assembly of the engine have been complied with to date. A list of AD note status is attached at a Logbook. As of this date, any and all published Service Bulletins or Service Letters, as provided by the manufacturers accessories used in the assembly of this engine, have been complied with. This TMX engine should use the applicable sections of the Lycoming Direct Drive Overhaul Manual, Lyco Catalogs, and Lycoming Owner's Manuals for operational instructions and continued airworthiness mainter in addition, any accessory vendor supplied accessory maintenance and or operational data, may also be use with the previously specified information. This TMX engine has been assembled for and is intended for experimental use only. Other pertinent details about this engine are on file at Teledyne Mattituck Services under the Work Order limbor.	ew York facility. d assembly and ts or components the rear of this s of the parts or oming Parts nance instructions. d in conjunction
S/N <u>R V 5 3 7 9 4 3 2 8 4 4 10 Airwa</u>	y Drive
The second of th	NY USA 11952 T10R507Y
FORM RS-056 REV. (March 2006)	
PONW RS-050 REV. (Wales 2000)	
Port City Air, Inc 104 Grafton Drive - Pease International Trade Port Portsmouth New Hampshire 03801-3177 Phone: 603 430 1111 fax: Maintenance and Avionics 603 430 1199, fax: Operations 603-776-0266 Toll Free: 888 732 7324 12/23/10 N710GC RV-10A S/N: 40040 W/O 40402 Lycoming O-540-E4A5 Drained oil, inspected filter, No Defects Noted. Installed new filter CH48108-1. Serviced with 12-Phillips 20w-50 Type M. Leak and Operational check Good. The aircraft and/or components identified above were repaired in accordance with entrent FAR's as well as manuf recommendations and is approved for return to service. Authorized Signature Travis Buchanan A&P 3202781	
Port City Air, Inc 104 Grafton Drive – Pease International Trade Port Portsmouth New Hampshire 03801-3177 Phone: 603 430 1111 fax: Maintenance and Avionics 603 430 1199, fax: Operations 603-776-0266 Toll Free: 888 732 7324	
 06/01/11 N710GC RV-10A S/N: 40040 Tach 25.7 Hobbs 30.4 W/O 40452 Lycoming O-540-E4A5 Drained oil, inspected filter, No Defects Noted. Installed new filter CH48108-1. Serviced with 10c Phillips 20w-50 X/C. Leak and Operational check Good. The aircraft and/or components identified above were repaired in accordance with current FAR'S as well as manufarecommendations and is approved for return to service. 	
Authorized Signature Richard Ruel A&P 5526834	
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104 Grafton Drive - Pease International Trade Port Portsmouth New Hampshire 03801-3177

Phone: 603 430 1111

fax: Maintenance and Avionics 603 430 1199, fax: Operations 603-776-0266 Toll Free: 888 732 7324

2/14/12 N710GC RV-10A S/N: 40040 Tach: 56.5 W/O 40040 TMXO540; S/N AV537943884

Drained oil, inspected filter. Installed new CH48108-1 filter. Serviced with 12 quarts Phillips 20W-50.

Compression test; 1) 78/80 2) 78/80 3) 78/80 4) 78/80 50 78/80 60 80/80.

Cleaned carburator strainer. Retorqued oil sump bolts. Recharged K&N induction air filter.

C/W ON CONDITION inspection of engine. Aircraft ground run; ops checked good: no leaks noted.

The aircraft and/or components identified above were repaired in accordance with current FAR'S as well as manufacturers recommendations and is approved for return to service.

Authorized Signature Richard Ruel A&P 5526834



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2/27/13 N710GC RV-10A S/N: 40040 Tach: 122.2 Hobbs: 138 W/O 40542

TMXO540; S/N AV537943884

Drained oil, inspected filter. Installed new CH48108-1 filter. Serviced with 12 quarts Phillips 20W-50.

Compression test; 1) 74/80 2) 78/80 3) 78/80 4) 78/80 5) 76/80 6) 76/80.

Cleaned carburator strainer. Retorqued oil sump bolts. Recharged K&N induction air filter.

Cleaned, gapped and tested spark plugs

C/W ON CONDITION inspection of engine per Lycoming Operator's Manual Section 4; Daily, 50-hour,100-hour scope and detail...

Aircraft ground run; ops checked good; no leaks noted.

The aircraft and/or components identified above were repaired in accordance with current FAR'S as well as manufacturers

recommendations and is approved for return to service.

Authorized Signature Richard Ruel A&P 5526834



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fax: Maintenance and Avionics 603 430 1199, fax: Operations 603-776-0266 Toll Free: 888 732 7324

2/26/14 N710GC RV-10A S/N: 40040 Tach: 163.4 Hobbs: 185.4 W/O 40592

TMXO540; S/N AV537943884

Drained oil, inspected filter, Installed new CH48108-1 filter. Serviced with 12 quarts Phillips 20W-50.

Compression test; 1) 74/80 2) 76/80 3) 76/80 4) 78/80 5) 76/80 6) 76/80.

Replaced crankshaft seal with new PN LW13792.

Replaced alternator belt with new XL7355.

Cleaned carburetor strainer.

Cleaned, gapped and tested spark plugs

C/W ON CONDITION inspection of engine per Lycoming. Operator's Manual Section 4; Daily, 50-hour, 100-hour scope and detail. Aircraft ground run, leak and operational check good.

The aircraft and/or components identified above were repaired in accordance with current FAR'S as well as manufacturers recommendations and is approved for return to service.

Authorized Signature Travis Buchanan A&P / IA 3202781



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fax: Maintenance and Avionics 603 430 1199, fax: Operations 603-776-0266 Toll Free: 888 732 7324

1/5/2015 N710GC RV-10A S/N: 40040 Tach: 177.8 Hobbs: 202.6 W/O 40628

TMXO540; S/N AV537943884 TTSN: 177.8

Drained oil, inspected filter. Installed new CH48108-1 filter. Serviced with 11 quarts Phillips 20W-50.

Compression test; 1) 76/80 2) 79/80 3) 76/80 4) 80/80 5) 80/80 6) 76/80.

Drained carburetor & cleaned strainer.

Cleaned, gapped and tested spark plugs, replaced #1 bottom plug with new UREM38S.

Cleaned and recharged K&N induction air filter.

C/W ON CONDITION INSPECTION of engine per Lycoming Operator's Manual Section 4; Daily, 50-hour, 100-hour scope and detail. Aircraft ground run, leak and operational check good.

The aircraft and/or components identified above were repaired in accordance with current FAR'S as well as manufacturers recommendations and is approved for return to service.

Authorized Signature: Richard Ruel A&P 5526834

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104 Grafton Drive - Pease International Trade Port

Portsmouth New Hampshire 03801-3177

Phone: 603 430 1111

fax: Maintenance and Avionics 603 430 1199, fax: Operations 603-776-0266 Toll Free: 888 732 7324

11/9/2022 N710GC RV-10A S/N: 40040 Tach: 405.8 W/O PCA-P2030

TMX 0-540-E4A5; S/N AV537943884 TTSN: 405.8

Drained oil, inspected filter. Installed new AA48108-1 filter. Serviced with 10 quarts Phillips 20W-50 and 1 pint Cam Guard.

Compression test; 1) 76/80 2) 76/80 3) 74/80 4) 78/80 5) 76/80 6) 78/80.

Drained carburetor & cleaned strainer.

Cleaned, gapped and tested spark plugs.

Cleaned and recharged K&N induction air filter

Replaced oil pressure transducer with new P/N 11-08066; ops & leak check good.

C/W CONDITION / ANNUAL INSPECTION of engine per Lycoming Operator's Manual Section 4; Daily, 50-hour, 100-hour scope and detail. Aircraft ground run, leak and operational check good,

The aircraft and/or components identified above were repaired in accordance with current FAR'S as well as manufacturers

recommendations and is approved for return to service.

Authorized Signature: Richard Ruel A&P 5526834

12-1-2023	NZIGC	W/O PCA-P2773
AIRCRAFT	Vans RV / SN: 40040	HOBBS: 477.6
ENGINE	TMX 0-540 / SN: AV537943884	TACH: 448.9 ETT: 448.9

- Performed Vans Aircraft Condition Inspection & oming Periodic Inspections IAW Lycoming O-540 Operators Manual & Scope and Detail of FAR § 43 Appendix D. Performed compression test with the following results: Cyl#1: 74/80, Cyl#2: 74/80, Cyl#3: 75/80, Cyl#4 73/20 Cleaned, gapped and tested all spark plugs. Lubed all engine controls. Rech leaned, inspected and reinstalled the carburetor inlet strainer with a new
- Drained the engine oil Removed debris noted. Serviced the engine with 10qts of Phillips XC 20W-50, 1 yow Champion Chi48108-1 oil filter.
- Replaced the cylinder #3/& #4 mel primer line after clamps and hardware.

- C/W Lycoming 400HR Valve Inspection IAW Lycoming 0.540 Operators Manual Section 4.6. No defects noted at this time. Replaced all rocker box cover gaskets... Ground run-up, operational and leak check good.

I certify this ENGINE has been inspected in accordance with an Annual Inspection. The work / inspections listed above were performed in accordance with the current manufacturer's maintenance manuals and current FAA regulations. With the respect to the inspections / work performed the aircraft identified above is found to be in airworthy condition and is returned to service.

AUTHORIZED SIGNATURE:

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04	1/13/2021	f	Hobbs Tach	51H 51 480.6	Dramalo, 1. Sev	uced with	10945
				The state of the s	Phillips 2010-50		
	- 0				Arrevest ground ru		ers check good
			. ₽. \$35		G. Stepha Charlo		
		- Table 1	a de la companya de	a Tagaz Trans.	sile		
j		05-28-2	2024		N710GC		PCA-P3007
		AIRCR	AFT		Van's RVIDA S/N 40040	HOBBS:	520.8 FLT: 647
		ENGI	NE .	TI T	XX O-540-E435 S/N: AV537943884	TA	CH: 490.3
	•	Removed ma	agnetos for 50	0-hour inspec	tion with Roolar Grove: L/H magne	to P/N 6351 S/N 14	051096

R/H magneto P/N 6351, S/N 14051099. Representations and installed magnetos P/N 6351 S/Ns 14051096 and 14051099. Ran engine no leaks or defect

I certify this aircraft has been inspected / repaired in accorcession the current manufacturer's maintenance manuals, and current FAA regulations. With the respect to the inspections / work performed the aircraft identified above is found to be in airworthy condition and is returned to service. **AUTHORIZED SIGNATURE:**

FOR: FAA REPAIR STATION #P49R490N PORT CITY AIR, INC. / NEW HAMPSHIRE HELICOPTERS; 104 GRAFTON DRIVE, PORTSMOUTH, NH 03801

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Page No				:	
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME		
		Hobbs	TACH	TOTALS brought forward from previous page	
10/18/2024		534.5	501.0	Drained engine oil, Cut + inspected oil filter No debvis noted. Servised engine with 10 Gt XC 20050 + 1 Pint Cambraid + now Champion CH48108-1 oil filter Ground run up leak check okay.	<u>-</u> د
		,		G Stephen Chandow ATP 2567800	
		21/2024 CRAFT		N710GC W/O PCA-P3392	
		GINE		Vans RV-10A SN: 40040 HOBBS: 537.4	
			off Condition	TMX O-540-E4A5 SN: AV\$37943884 TACH: 503.5 ETT: 503.5 Inspection & Lycoming Periodic Inspections LAW Lycoming O-540 Operators	
respec	78/80, Cy Removed Ground ru y this ENGINE hit tions listed abov t to the inspecti	and replaced in-up, operations been inspected we were perform	yl#3: 76/80, cyl #3 bottoi onal and leak ed in accordance ed in accordance	R § 43 Appendix D. Performed compression test with the following results: Cyl#1: Cyl#4: 70/80, Cyl#5: 80/80, Cyl#6: 78/80. Dom spark plug P/N UREM38E IAW Lycoming SSP-1776. Ice with a Condition Inspection IAW Scope and Detail of FAR § 43 Appendix D. The work / Ince with the current manufacturer's maintenance manuals and current FAA regulations. With the raft identified above is found to be in airworthy condition and is returned to service. A&P 4181062IA TERS, 104 GRAFTON DRIVE, PORTSMOUTH, NH 03801	
ļ ————————————————————————————————————					
03/14/2025		559.6	\$24.0	Drained engine Oil. Serviced with 102ts Phillips Victory Aw 20w.50	
				Ground run-of + leak check okay.	
				G Stephen Chandgin ATP 2562880	
				11/1/	\dashv
		Ţ		1700	
0421/25		559 8	524.1	Install oil separator reference	
			,,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	autisplat instructions. Ground runing	_
	-			+ Lonk check good.	_
				G Stephen Chaudon ATP 1562880	_
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		Hobbs	Tach	TOTALS brought forward from previous page	
28/25/25		572.3	535.4	Drained engine O. 1. Seve	ced with
				102+Ph.1/195 XC20450+11	tanguard.
				Grandrun of tleak check	clear
				Grand run-up t leak check Replaced Champion CH 4810 Cutoper trispected old F.H	8-1 6.1 F.1 tar.
				C Stephen Graydon A	TO TELLERO
				C Steller Gaggos F	1 430 4380
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