

Tests, Repairs and Alterations

ne, Rating and Certificate Number of back pages for other specific entries.)

08/01/2014

Part 43, Appendix D.
73. Cleaned, gapped,
up and ops check OK.

nce with a 100-hour
worthy condition.

YEAR	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.)
------	---------------------	----------------	-----------------------	--

Aircraft: N9522Y Date: 9-14-2015
Tach: 1010.8

Compression checked: #1 62/80, #2 60/80, #3 64/80, #4 58/80, #5 60/80, #6 63/80

Checked mag to eng timing.

Cleaned, gapped and rotated spark plugs.

Installed new induction filter

Inspected IN and EX systems.

Marcus Reynolds, A&P/IA
S.O.A.R., Bolivar Municipal Airport, Bolivar, MO 65613,

Aircraft: N9522Y Date: 9/14/2015
Tach: 1010.8 SMOH: 474.7

Performed 100 hour inspection IAW 14 CFR, Part 43, Appendix D.

I certify this engine was inspected in accordance with a 100-hour inspection and was determined to be in an airworthy condition.

Marcus Reynolds, A&P/IA
S.O.A.R., Bolivar Municipal Airport, Bolivar, MO 65613,

11-1-16 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content - none found. Cylinders 1-6 compression checks 65, 60, 64, 63, 62, 66 out of 80 psi. Inspected exhaust system. Cleaned, gapped, and rotated spark plugs. Added 1.5 cans AvBlend to oil. Cleaned injector screen and resafetied0. Installed new fuel return line from fuel distributor to lower engine compartment. Tightened generator belt and resafetied. Ran engine, checked for leaks and operation, idle and static RPM per spec, checked good. Adjusted idle mixture. Researched new, outstanding and recurring A.D.s for compliance. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition. N9522Y Tach Time: 1049.15 TTAF: 5425.60 (See Tach changes 10/67 and 7/91: (1049.15 + 1606.65 + 2769.8 = 5425.60) Engine TT: (Current Tach +3306.1 - 536.1)=3819.15 (OH'd engine installed on this airframe at Tach: 0536.1) Engine TSMOH: 513.05 Prop TSN: 513.05 (New Prop installed on this airframe at Tach: 0536.1)
Jay Foster AP [redacted] IA Lebanon, MO [redacted]

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT Since Last	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.)
2017 1-16-17	1062	23	528	oil change w/9 QTS + 24 OZ AvBlend Phillips 20-50

2-10-2017 Installed new REM40E spark plugs 12 places and torqued to specs.
Ran up engine, ops checked good.
Returned aircraft to service.
N9522Y Tach: 1051.1
Jay Foster AP

11-19-17	1087	25	553	oil change w/9 QTS Phillips 20-50 + 24 OZ AvBlend
----------	------	----	-----	---

12-12-17 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content - none found. Cylinders 1-6 compression checks 62, 65, 66, 68, 64, 72 out of 80 psi. Inspected exhaust system. Cleaned, gapped, and rotated spark plugs. Added 1 can AvBlend to oil. Ran engine, checked for leaks and operation, idle and static RPM per spec, checked good. Adjusted idle mixture. Researched new, outstanding and recurring A.D.s for compliance. See AD checklist this date. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.
N9522Y Tach Time: 1089.15 TTAF: 5465.60 (See Tach changes 10/67 and 7/91: (1089.15 + 1606.65 + 2769.8 = 5465.60) Engine TT: (Current Tach + 3306.1 - 536.1) = 3859.15 (OH'd engine installed on this airframe at Tach: 0536.1) Engine TSMOH: 553.05 Prop TSN: 553.05 (New Prop installed on this airframe at Tach: 0536.1)
Jay Foster AP Lebanon, MO

4-24-18	1101	14	567	oil change w/9 QTS Phillips 20-50 + 24 OZ AvBlend
---------	------	----	-----	---

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT Since Last	TOTAL TIME IN SERVICE	Description of Inspection Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2018 10-24-18	1117	16	583	oil change w/9 QTS Phillips 20-50
6-25-19	1136	19	602	oil change w/10 QTS Phillips 20-50

1-8-2019 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content - none found. Cylinders 1-6 compression checks 58, 56, 64, 60, 74, 63 out of 80 psi. Inspected exhaust system. Cleaned, gapped, and rotated spark plugs. Added 2 cans AvBlend to oil. Ran engine, checked for leaks and operation, idle and static RPM per spec, checked good. Researched new, outstanding and recurring A.D.s for compliance. See AD checklist this date. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.
N9522Y Tach Time: 1122.79 TTAF: 5499.240 (See Tach changes 10/67 and 7/91: (1122.79 + 1606.65 + 2769.8 = 5499.240) Engine TT: (Current Tach + 3306.1 - 536.1) = 3892.79 (OH'd engine installed on this airframe at Tach: 0536.1) Engine TSMOH: 586.69 Prop TSN: 586.69 (New Prop installed on this airframe at Tach: 0536.1)
Jay Foster AP

5-31-20	1155	19	621	oil change w/10 QTS Phillips 20-50 + 24 OZ AvBlend
3-5-21	1169	14	635	oil change w/10 QTS Phillips 20-50 + 24 OZ AvBlend

TODAY'S FLIGHT SINCE LAST	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.)
------------------------------------	-----------------------------	---

23	528	Oil change w/ 9 QTS + 24 OZ Avblend Phillips 20-50 - [REDACTED]
----	-----	--

Installed new REM40E spark plugs 12 places and torqued to specs.
Engine, ops checked good.
Aircraft to service.
Tach: 1051.1
AP [REDACTED]

25	553	Oil change w/ 9 QTS Phillips 20-50 + 24 OZ Avblend [REDACTED]
----	-----	--

Performed 100 hour/annual inspection IAW 14CFR 43 appx D and
none. No oil change, examined screen for metal content - none
1-6 compression checks 62, 65, 66, 68, 64, 72 out of 80 psi.
Exhaust system. Cleaned, gapped, and rotated spark plugs. Added 1
can Avblend to oil. Ran engine, checked for leaks and operation, idle and static
checked good. Adjusted idle mixture. Researched new,
recurring A.D.s for compliance. See AD checklist this date. All
compliance. I certify this engine has been inspected in
100 hour/annual inspection and was determined to be in an
airworthy condition.

TTAF: 5465.60 (See Tach changes 10/67 and
106.65 + 2769.8 = 5465.60) Engine TT: (Current Tach
5859.15 (OH'd engine installed on this airframe at Tach:
553.05 Prop TSN: 553.05 (New Prop installed on this
536.1)
LA Lebanon, MO [REDACTED]

567		Oil changed w/ 9 QTS Phillips 20/50 + 12 OZ Avblend [REDACTED]
-----	--	---

YEAR 2018 DATE	RECORDING TACH TIME	TODAY'S FLIGHT SINCE LAST	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.)
----------------------	---------------------------	------------------------------------	-----------------------------	---

10-24-18	1117	16	583	Oil change w/ 9 QTS Phillips 20/50 + 24 OZ Avblend [REDACTED]
6-25-19	1136	19	602	Oil change w/ 10 QTS Phillips 20/50 + 24 OZ Avblend [REDACTED]

1-8-2019 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and
checklist on engine. No oil change, examined screen for metal content - none
found. Cylinders 1-6 compression checks 58, 56, 64, 60, 74, 63 out of 80 psi.
Inspected exhaust system. Cleaned, gapped, and rotated spark plugs. Added 2
cans Avblend to oil. Ran engine, checked for leaks and operation, idle and static
RPM per spec, checked good. Researched new, outstanding and recurring
A.D.s for compliance. See AD checklist this date. All engine A.D.s in
compliance. I certify this engine has been inspected in accordance with a 100
hour/annual inspection and was determined to be in an airworthy condition.
N9522Y Tach Time: 1122.79 TTAF: 5499.240 (See Tach changes 10/67 and
7/91: (1122.79 + 1606.65 + 2769.8 = 5499.240) Engine TT: (Current Tach/
+3306.1 - 536.1) = 3892.79 (OH'd engine installed on this airframe at Tach:
0536.1) Engine TSMOH: 586.69 Prop TSN: 586.69 (New Prop installed on this
airframe at Tach: 0536.1) JAY FOSTER APT [REDACTED]

5-31-20	1155	19	621	Oil change w/ 10 QTS Phillips 20/50 + 24 OZ Avblend [REDACTED]
3-5-21	1169	14	635	Oil change w/ 10 QTS Phillips 20/50 + 24 OZ Avblend [REDACTED]

3-11-2020 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content - none found. Cylinders 1-6 compression checks 52, 48, 50, 60, 63, 64 out of 80 psi. Inspected exhaust system. Cleaned, gapped, and rotated spark plugs. Added 1 can AvBlend to oil. Retensioned gen belt and resafetied. Ran engine, checked for leaks and operation, idle and static RPM per spec, adjusted idle mixture, then ops checked good. Researched new, outstanding and recurring A.D.s for compliance. See AD checklist this date. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.

N9522Y Tach Time: 1148.12 TTAF: 5524.57 (See Tach changes 10/67 and 7/91: (1122.79 + 1606.65 + 2769.8 = 5524.57) Engine TT: (Current Tach + 3101.71 - 536.1) = 3713.72 (OH'd engine TT of 3101.7 installed on this airframe at Tach: 0536.1) Engine TSMOH: 612.02 Prop TSN: 612.02 (New Prop installed on this airframe at Tach: 0536.1)

Jay Foster AP [REDACTED] IA Lebanon, MO [REDACTED]

4-5-2021 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content - none found. Cylinders 1-6 compression checks 46, 46, 48, 52, 55, 60 out of 80 psi. Inspected cylinders with borescope, no defects noted. Inspected exhaust system. Found #5 cylinder with gasket blow by. Removed RH side exhaust system to install new gaskets on RH cylinders. Reinstalled exhaust system and torqued nuts. Cleaned, gapped, tested and rotated spark plugs. Added 1 can AvBlend to oil. Removed generator and installed new armature, bearings and brushes. Ran engine, checked for leaks and operation, idle and static RPM per spec, adjusted idle mixture, then ops checked good. Researched new, outstanding and recurring A.D.s for compliance. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.

N9522Y Tach Time: 1171.12 TTAF: 5547.57 (See Tach changes 10/67 and 7/91: (1122.79 + 1606.65 + 2769.8 = 5547.57) Engine TT: (Current Tach + 3101.71 - 536.1) = 3736.72 (OH'd engine TT of 3101.7 installed on this airframe at Tach: 0536.1) Engine TSMOH: 635.02 Prop TSN: 635.02 (New Prop installed on this airframe at Tach: 0559.1)

Jay Foster AP [REDACTED] IA Lebanon, MO [REDACTED]

6-1-2022 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. Performed oil change, serviced engine w 11 qts Phillips 20W50 and two cans AvBlend. Examined screen for metal content - none found. Cylinders 1-6 compression checks 54, 50, 48, 52, 55, 60 out of 80 psi. Inspected cylinders with borescope, no defects noted. Inspected exhaust system. Cleaned, gapped, tested and rotated spark plugs. Ran engine, checked for leaks and operation, idle and static RPM per spec, adjusted idle mixture, then ops checked good. Researched new, outstanding and recurring A.D.s for compliance. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.

N9522Y Tach time: 1188.12 TTAF: 5564.57 (See Tach changes 10/67 and 7/91: (1122.79 + 1606.65 + 2769.8 = 5564.57) Engine TT: (Current Tach + 3101.71 - 536.1) = 3753.72 (OH'd engine TT of 3101.7 installed on this airframe at Tach: 0536.1) Engine TSMOH: 652.02 Prop TSN: 652.02 (New Prop installed on this airframe at Tach: 0559.1)

Jay Foster AP [REDACTED] IA Lebanon, MO [REDACTED]

8-1-2023 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content - none found. Cylinders 1-6 compression checks 43, 44, 50, 52, 52, 56 out of 80 psi. Inspected cylinders with borescope, no defects noted. Inspected exhaust system. Cleaned, gapped, tested and rotated spark plugs. Replaced clamp on mixture cable. Ran engine, checked for leaks and operation, idle and static RPM per spec, adjusted idle mixture, then ops checked good. Researched new, outstanding and recurring A.D.s for compliance. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.

YEAR	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.)
------	------	---------------------	----------------	-----------------------	--

YEAR	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.)
------	------	---------------------	----------------	-----------------------	--

4-5-2021 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content – none found. Cylinders 1-6 compression checks 46, 46, 48, 52, 55, 60 out of 80 psi. Inspected cylinders with borescope, no defects noted. Inspected exhaust system. Found #5 cylinder with gasket blow by. Removed RH side exhaust system to install new gaskets on RH cylinders. Reinstalled exhaust system and torqued nuts. Cleaned, gapped, tested and rotated spark plugs. Added 1 can AvBlend to oil. Removed generator and installed new armature, bearings and brushes. Ran engine, checked for leaks and operation, idle and static RPM per spec, adjusted idle mixture, then ops checked good. Researched new, outstanding and recurring A.D.s for compliance. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.

N9522Y Tach Time: 1171.12 TTAF: 5547.57 (See Tach changes 10/67 and 7/91: (1122.79 + 1606.65 + 2769.8 = 5547.57) Engine TT: (Current Tach +3101.71 - 536.1)=3736.72 (OH'd engine TT of 3101.7 installed on this airframe at Tach: 0536.1) Engine TSMOH: 635.02 Prop TSN: 635.02 (New Prop installed on this airframe at Tach: 0559.1)

Jay Foster AP [REDACTED] Lebanon, MO [REDACTED]

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.)

6-1-2022 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. Performed oil change, serviced engine w 11 qts Phillips 20W50 and two cans AvBlend. Examined screen for metal content – none found. Cylinders 1-6 compression checks 54, 50, 48, 52, 55, 60 out of 80 psi. Inspected cylinders with borescope, no defects noted. Inspected exhaust system. Cleaned, gapped, tested and rotated spark plugs. Ran engine, checked for leaks and operation, idle and static RPM per spec, adjusted idle mixture, then ops checked good. Researched new, outstanding and recurring A.D.s for compliance. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in an airworthy condition.

N9522Y Tach time: 1188.12 TTAF: 5564.57 (See Tach changes 10/67 and 7/91: (1122.79 + 1606.65 + 2769.8 = 5564.57) Engine TT: (Current Tach +3101.71 - 536.1)=3753.72 (OH'd engine TT of 3101.7 installed on this airframe at Tach: 0536.1) Engine TSMOH: 652.02 Prop TSN: 652.02 (New Prop installed on this airframe at Tach: 0559.1)

Jay Foster AP [REDACTED] Lebanon, MO [REDACTED]

YEAR
DATE
RECORDING
TACH
TIME
TODAY'S
FLIGHT
TOTAL
TIME IN
SERVICE

8-1-2023 Performed 100 hour/annual inspection IAW 14CFR 43 appx D and checklist on engine. No oil change, examined screen for metal content – none found. Cylinders 1-6 compression checks 43, 44, 50, 52, 52, 56 out of 80 psi. Inspected cylinders with borescope, no defects noted. Inspected exhaust system. Cleaned, gapped, tested and rotated spark plugs. Replaced clamp on mixture cable. Ran engine, checked for leaks and operation, ops checked good. Researched new, outstanding and recurring A.D.s for compliance. All engine A.D.s in compliance. I certify this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

N9522Y Tach Time: 1210.12 TTAF: 5586.57 (See Tach changes 10/67 and 7/91: (1210.12 + 1606.65 + 2769.8 = 5586.57) Engine TT: (Current Tach +3101.71 - 536.1)=3775.73 (OH'd engine TT of 3101.71 installed on this airframe at Tach: 0536.1) Engine TSMOH: = (Current Tach -536.1) = 674.02 Prop TSN: = (Current Tach - 559.1) = 651.02 (New Prop installed on this airframe at Tach: 0559.1)

Jay Foster AP [REDACTED] Lebanon, MO [REDACTED]

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.)

[illegible]

2023
DATE

1-1-2023

1204

Changed oil w/ 10QT Phillips xC 20/50
+ 24 oz Auctblend.

[illegible]