The Standard

ENGINE LOG

ASA/SE-2

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2024	3636.19			Performed annual inspection. Checked compression
				1) 76/80 2) 79/80 3) 75/80 4) 73/80 5) 70/80 6) 79/80
				Drained oil. Serviced w/ 10 Quarts Aero Shell 100 oil
				Cleaned gapped & tested spark plugs
				Checked magneto time + prop operation
				Checked intake & exhaust system
				Tightened drain back tubes and Rocker Covers
				Test ran motor, no defects noted
				Engine has been inspected I/AW annual
				inspection & CFR 43 appendix D and
				found to be in airworthy condition
				William Dale Wheelan Dale Wheelan AP 3374307 1A

DATE 2022	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11 MAY	3588.47			PERFORMED ANNUAL INSPECTION
				1 75/80 2 79/80 3 79/80 4 75/80 5 79/80 6 75/80
				INSPECTED INTAKE + EXHUAST SYS. INSPECTED
				SPARK PLUGS + LOOKED OVER ENTIRE
				ENGINE I CERTIFY THIS ENGINE HAS
				BEEN INSPECTED IN ACCORDANCE WITH
				AN ANNUAL INSPECTION + FAR 43
				APPENDIX D AND HAS BEEN DETERMINED
				AIRWORTHY
				James Winter 3532407 A+P IA
15 SEP 2023	3621.94			REMOVED L/H MAGNETO, SENT TO
				AIRCRAFT ENGINE SPECIALIST FOR
				500 HR INSPECTION + REPAIR
				W.O. # M7107-23-09, INSTALLED +
				OPS CHECKED
				James Winter 3532407
				A+P IA

DATE 2023	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
20 SEP	3622.22			PERFORMED ANNUAL INSPECTION
				1 79/80 2 79/80 3 75/80 4 79/80 5 79/80 6 79/80
				DRAINED OIL, INSPECTED SCREEN, SERVICED
				WITH 10 QTS OF AEROSHELL 100, CLEANED
				GAPPED + TESTED SPARK PLUGS. INSPECTED
				INTAKE + EXHAUST SYS. I CERTIFY
				THIS ENGINE HAS BEEN INSPECTED
				IN ACCORDANCE WITH A ANNUAL INSPECTION
				AND FAR 43 APPENDIX D
				AND IS AIRWORTHY
				James Winter
				3532407 A+P IA

Date 07-28-2021 T.T. 5048.46 Tach Indication 3558.74 TSMOH 1192.44
TSTOH ——— Engine Inspection Performed in Accorance with FAR Part 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
Cleaned Fuel Injector Nozzles ——— Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X Turbos ——
Oil Screens/F~~ilter Element~~ Checked X Oil Filter Changed ———
Oil Changed-Service with Aeroshell 100 W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges X Differential Compression Checked as Follows:
#1 75 #2 74 #3 74 #4 72 #5 69 #6 76 #7 — #8 — #9 —
Ad Compliance List at Rear of Log. AD Compliance Checked through Issue 2021/15
I Certify That This Engine Has Been Inspected In Accordance With A Annual
Inspection And Was Found to be in Airworthy Condition.

Signed: Edward D VanReeth IA# 3502862
Edward D. VanReeth

...AIRS AND ALTERATIONS
...AND CERTIFICATE NUMBER OF
...FOR OTHER SPECIFIC ENTRIES.)

Repaired Carb heat shroud c/w Ad 95-26-13 Ley SAID AMOC

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9 FEB 2022	3573.01			REPLACED ALL 6 BOTTEM SPARK PLUGS P/N REM 40E, CHECK TIMING, TIGHTENED FUEL LINE TO CARB, ADJUSTED IDLE Lance Winter 3532407 A+P IA
16 MAR 2022	3574.94			REPLACED ALL 6 TOP SPARK PLUGS TEST RUN MAG DROPED GOOD Lance Winter 3532407 A+P IA
27 APR 2022	3587.9			DRAINED OIL INSPECTED SCREEN TOOK OIL SAMPLE, SERVICED WITH 9 qts of AEROSHELL 100 Lance Winter 3532407 A+P IA

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date 07-01-2020 T.T. 5047. Tach Indication 3557.28 TSMOH 1190.98
TSTOH — Engine Inspection Performed in Accorance with FAR Part 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
Cleaned Fuel Injector Nozzles X Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X Turbos —
Oil Screens/Filter Element Checked X Oil Filter Changed —
Oil Changed-Service with Aeroshell 100W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges X Differential Compression Checked as Follows:
#1 77 #2 72 #3 78 #4 74 #5 77 #6 75 #7 — #8 — #9 —
Ad Compliance List at Rear of Log. AD Compliance Checked through Issue 2020/13
I Certify That This Engine Has Been Inspected In Accordance With A Annual
Inspection And Was Found to be in Airworthy Condition.

Signed: Edward D VanReeth IA# 3502862
Edward D. VanReeth

C/W AD 95-26-13 Inspected as per SAID Amoc.

DATE	RECORDING	TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ...IG AND CERTIFICATE NUMBER OF ...ES FOR OTHER SPECIFIC ENTRIES.)

Date 07/28/2021 T.T. 5048.46 Hr. Meter/Tach Indication 3558.74
Airframe Inspection Performed in Accordance With FAR Part NO.43.
Checked Skin or Fabric for Condition X Cleanliness X Battery X
Seats & Safety Belts X Windows & Winshields X Hydraulic Fluids X
Oxygen Systems — Oleo Struts X Landing Gear X Lights X
Pitot Heat X C/W Far 91.207 d X E.L.T. Battery Date April/22
Static Systems X Cables X Pulleys X Fairleads X Torque Tubes X
Wing Fittings X Struts — ~~Gear~~ & Stall Warning Devices X
Lubricated Gear Fittings X Repacked Wheel Bearings X
Instruments X Flight controls X Tires X Brakes X
Ad Compliance List at Rear of Log and Researched Through Issue 2021/15
I Certify That This Airframe Has Been Inspected In Accordance With
A Annual Inspection And Was Found to be in Airworthy Condition.

Signed: Edward D VanReeth IA# 3502862
Edward D. VanReeth

Repaired cowl heat shroud C/W AD

Entry in wrong book
Edward D VanReeth
A+P 3502862

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date 05/04/2016 T.T. 5010.72 Hr. Meter/Tech Indication 3521.0 TSMOH 1154.70
TSTOH ——— Engine Inspection Performed in Accorance with FAR Part 43.
Engine compartment X Engine Mount X Engine Controls X Cowling
Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X Turbos —
Oil Screens/Filter Element Checked X Oil Filter Changed —
Oil Changed-Service with Aero Shell 100W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges X Differential Compression Checked as Follows:
#1 78 #2 79 #3 77 #4 76 #5 77 #6 75 #7 — #8 — #9 —
Ad Compliance List at Rear of Log. AD Compliance Checked through Issue 2016/09
I Certify That This Engine Has Been Inspected In Accordance With A ANNUAL
Inspection And Was Found to be in Airworthy Condition.

Signed: Edward D VanReeth IA# 3502862
Edward D. VanReeth

Replaced cyl #2-4-6 exh gaskets with Eloprog 77611 cleaned and anti seized all slip joints c/w Ad 95-28-13 as per SAID Amoc.

Date 07-01-2017 T.T. 5026.61 Hr. Meter/Tech Indication 3536.89 TSMOH 1170.59
~~TSTOH~~ ——— Engine Inspection Performed in Accorance with FAR Part 43.
Engine compartment X Engine Mount X Engine Controls X Cowling
Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X Turbos —
Oil Screens/Filter Element Checked X Oil Filter Changed —
Oil Changed-Service with Aero Shell 100W 10 qts
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges X Differential Compression Checked as Follows:
#1 78 #2 75 #3 76 #4 74 #5 76 #6 77 #7 — #8 — #9 —
Ad Compliance List at Rear of Log. AD Compliance Checked through Issue 2017/13
I Certify That This Engine Has Been Inspected In Accordance With A ANNUAL
Inspection And Was Found to be in Airworthy Condition.

Signed: Edward D VanReeth IA# 3502862
Edward D. VanReeth

REPAIRS AND ALTERATIONS
NG AND CERTIFICATE NUMBER OF
ES FOR OTHER SPECIFIC ENTRIES.)

Replaced cyl #4 bottom spark plug c/w Ad 95-26-13 As per SAID Amoc.

AD	2017-06-11	NA		No new engine parts from Lyc at this time

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS

Date 04/06/2013 T.T 4971.92 Hr. Meter/Tach Indication 3482.2 TSMOH 1115.96

TSTOH ——— Engine Inspection Performed in Accordance with FAR PART 43.

Engine compartment X Engine Mount X Engine Controls X Cowling X

Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X

Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X

Crankcase Bolts & Nuts X Intake & Exhaust Systems X

Oil Screens/Filter Element Checked X Oil Filter Changed ~~[illegible]~~

Oil Changed-Service with Aeroshell 100W

Fuel Sumps Drained & Checked X Fuel Screens Checked X

Magneto Points & Timing Checked X Carburetor Heat Checked X

Prop Governor Checked X Prop Condition Checked X

Nicks Removed From Prop Edges — Differential Compression Checked as Follows:

#1 76 #2 79 #3 74 #4 70 #5 76 #6 80 #7 — #8 — #9 —

AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2013/06

I Certify That This Engine Has Been Inspected In Accordance With A Annual Inspection And Was Found to be in Airworthy Condition.

Signed Edward D VanLeeth A & P# 3502862 IA

C/W AD 95-28-13
As per SAID
AMOC.
Replaced 2" seat from
muffler to cabin
heat Box
2012-19-01 NA
No OIL OR CRANK
shaft change
AD 12-03-07 NA - No
NA - carb

Tach 3483.91	06-11-2013		This date reinstalled left mag after Repair by Aircraft Systems (see 8130-3 form) and timed mag to 25° BTC. Installed a Saf-Air Products oil drain & safetied. EVanLeeth A+P 3502862

Date 09/06/14 T.T 4984.36 Hr. Meter/Tach Indication 3494.64 TSMOH 1128.40

TSTOH ——— Engine Inspection Performed in Accordance with FAR PART 43.

Engine compartment X Engine Mount X Engine Controls X Cowling X

Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X

Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X

Crankcase Bolts & Nuts X Intake & Exhaust Systems X

Oil Screens/Filter Element Checked X Oil Filter Changed —

Oil Changed-Service with Aeroshell 100W

Fuel Sumps Drained & Checked X Fuel Screens Checked X

Magneto Points & Timing Checked X Carburetor Heat Checked X

Prop Governor Checked X Prop Condition Checked X

Nicks Removed From Prop Edges — Differential Compression Checked as Follows:

#1 78 #2 79 #3 78 #4 75 #5 76 #6 77 #7 — #8 — #9 —

AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2014/17

I Certify That This Engine Has Been Inspected In Accordance With A Annual Inspection And Was Found to be in Airworthy Condition.

Signed Edward D VanLeeth A & P# 3502862 IA

IRS AND ALTERATIONS
AND CERTIFICATE NUMBER OF
FOR OTHER SPECIFIC ENTRIES.)

C/W AD 95-28-13
As per SAID AMOC

Date 07/10/10 T.T 4889.38 Hr. Meter/Tach Indication 3399.66 TSMOH 1033.42
TSTOH ——— Engine Inspection Performed in Accordance with FAR PART 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X New
Oil Screens/Filter Element Checked X Oil Filter Changed —
Oil Changed-Service with Aeroshell 100W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges — Differential Compression Checked as Follows:
#1 78 #2 79 #3 77 #4 77 #5 78 #6 79 #7 — #8 — #9 —
AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2010/14
I Certify That This Engine Has Been Inspected In Accordance With A Annual
Inspection And Was Found to be in Airworthy Condition.

Signed Edward D Van Reeth A & P # IA 3502862
Edward D Van Reeth

RS AND ALTERATIONS
ND CERTIFICATE NUMBER OF
OR OTHER SPECIFIC ENTRIES.)

CW AD 95-27-13
As per Rand
Amoc
Repaired Right
Rear cyl baffle
Replaced #3+5
primer lines.
Repaired carb
heat schroud,
both exh stacks
Repaired by Dawley

new muffler was Replaced with new PN# K65012-00
SN# 188443/P66091 from Parts Exchange. E Van Reeth A+P 3502862

Date 07/29/2011 T.T 4942.25 Hr. Meter/Tach Indication 3452.53 TSMOH 1086.29
TSTOH ——— Engine Inspection Performed in Accordance with FAR PART 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X
Oil Screens/Filter Element Checked X Oil Filter Changed —
Oil Changed-Service with Aeroshell 100W 50wt
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges X Differential Compression Checked as Follows:
#1 78 #2 78 #3 78 #4 80 #5 78 #6 79 #7 — #8 — #9 —
AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2011/14
I Certify That This Engine Has Been Inspected In Accordance With A Annual
Inspection And Was Found to be in Airworthy Condition.

Signed Edward D Van Reeth A & P # 3502862
Edward D Van Reeth

RS AND ALTERATIONS
ND CERTIFICATE NUMBER OF
OR OTHER SPECIFIC ENTRIES.)

CW AD 95-27-13
AS PER SAID AMOC
Replaced the
capacitor in the
~~right~~ left mag
AD 2009-26-12
N/A No EGT Gauge

Date 05/01/08 T.T. 4802.6 Hr. Meter/Tach Indication 3321.6 TSMOH 966.4

TSTOH — Engine Inspection Performed in Accordance with FAR PART 43.

Engine compartment X Engine Mount X Engine Controls X Cowling X

Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X

Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X

Crankcase Bolts & Nuts X Intake & Exhaust Systems X

Oil Screens/Filter Element Checked X Oil Filter Changed —

Oil Changed-Service with Philips Type M 20-50

Fuel Sumps Drained & Checked X Fuel Screens Checked X

Magneto Points & Timing Checked O/H Carburetor Heat Checked X

Prop Governor Checked X Prop Condition Checked X

Nicks Removed From Prop Edges X Differential Compression Checked as Follows:

#1 Replaced #2 78 #3 Repl #4 75 #5 Repl #6 78 #7 ____ #8 ____ #9 ____

AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2008108

I Certify That This Engine Has Been Inspected In Accordance With A Annual Inspection And Was Found to be in Airworthy Condition.

Signed Edward D VanRaeth A & P# 357465746 IA
Edward D VanRaeth

S AND ALTERATIONS
ID CERTIFICATE NUMBER OF
R OTHER SPECIFIC ENTRIES.)

C/W AD 95-27-13 SAID as per AMOC - AD 07-04-1981 as not applicable no superiority. Replaced cyls 1-3-5 due to cracks in the exhaust ports Replaced intake hoses and oil return hose for cyls 1,3,5 Replaced one exhaust stud in cyl #2. Both mags Removed for 500 Hour inspection and repairs by Airscapt Systems Reinstalled and timed (see 8130-3 forms for mags & yellow tags for cyls) Ed VanRaeth A&P 357465746

Date 06/11/09 T.T. 4958.6 Hr. Meter/Tach Indication 3368.91 TSMOH 1012.67

TSTOH — Engine Inspection Performed in Accordance with FAR PART 43.

Engine compartment X Engine Mount X Engine Controls X Cowling X

Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X

Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X

Crankcase Bolts & Nuts X Intake & Exhaust Systems X

Oil Screens/Filter Element Checked X Oil Filter Changed —

Oil Changed-Service with Aeroshell ~~15W50~~ 100W

Fuel Sumps Drained & Checked X Fuel Screens Checked X

Magneto Points & Timing Checked X Carburetor Heat Checked X

Prop Governor Checked X Prop Condition Checked X

Nicks Removed From Prop Edges ____ Differential Compression Checked as Follows:

#1 77 #2 77 #3 77 #4 77 #5 74 #6 79 #7 ____ #8 ____ #9 ____

AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2009112

I Certify That This Engine Has Been Inspected In Accordance With A Annual Inspection And Was Found to be in Airworthy Condition.

Signed Edward D VanRaeth A & P# 357465746 IA
Edward D VanReeth

IRS AND ALTERATIONS
AND CERTIFICATE NUMBER OF
OR OTHER SPECIFIC ENTRIES.)

AD 08-19-05 NA

No Titan cyl installed

11/26/09				Changed Oil Installed 10 qts Aeroshell Grade 65 - D Murphy owner-pilot Tach Time 3390:15

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date 02/09/06 T.T 4744.23 Hr. Meter/Tach Indication 3254.5 TSMOH 898.27
TSTOH ——— Engine Inspection Performed in Accordance with FAR PART 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
Cleaned Fuel Injector Nozzles —— Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X
Oil Screens/Filter Element Checked X Oil Filter Changed ———
Oil Changed-Service with Aeroshell 65W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked NCW Prop Condition Checked X
Nicks Removed From Prop Edges____ Differential Compression Checked as Follows:
#1 70 #2 77 #3 74 #4 74 #5 71 #6 73 #7 — #8 — #9 —
AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2006/03
I Certify That This Engine Has Been Inspected In Accordance With A Annual
Inspection And Was Found to be in Airworthy Condition.
Signed Edward D VanReeth A & P# 357465746 IA
Edward D VanReeth

C/W AD 95-26-13 as per SAID Amoc inspection installed a new propeller control unit (governor) PCU 5000 P/N #AT743A Serial # 04300165

Date 04/02/07 T.T 4773.2 Hr. Meter/Tach Indication 3283.48 TSMOH 927.24
TSTOH ——— Engine Inspection Performed in Accordance with FAR PART 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
Cleaned Fuel Injector Nozzles —— Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X
Oil Screens/Filter Element Checked X Oil Filter Changed ———
Oil Changed-Service with Aeroshell 100W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges____ Differential Compression Checked as Follows:
#1 72 #2 76 #3 77 #4 76 #5 79 #6 78 #7 — #8 — #9 —
AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 2007/09
I Certify That This Engine Has Been Inspected In Accordance With A Annual
Inspection And Was Found to be in Airworthy Condition.
Signed Edward D VanReeth A & P# 357465746 IA

RS AND ALTERATIONS
ND CERTIFICATE NUMBER OF
OR OTHER SPECIFIC ENTRIES.)

C/W AD 95-26-13 as per SAID-Amoc

AD 06-10-21 & AD 06-12-07 & AD 06-20-09 & AD07-04-19 do not apply to this engine.
E Van Reeth
A+P 357465746

Changed Oil 10 qts Aeroshell 65W
Tach Time ~~3264.28~~ 3320.28
P Murphy Owner 11/17/07

Date 10/20/03 T.T 4649.22 Hr. Meter/Tach Indication 3159.5 TSMOH 803.22
~~TSTOH~~ _____ Engine Inspection Performed in Accordance with FAR PART 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
~~Cleaned Fuel Injector Nozzles~~ ____ Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X
Oil Screens/Filter Element Checked X ~~Oil Filter Changed~~ _____
Oil Changed-Service with AEROSHELL 100W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked Replaced with Recon Prop
~~Nicks Removed From Prop Edges~~ ____ Differential Compression Checked as Follows:
#1 73 #2 78 #3 77 #4 75 #5 77 #6 74 #7 ____ #8 ____ #9 ____
AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 03 120
I Certify That This Engine Has Been Inspected In Accordance With A ANNUAL
Inspection And Was Found to be in Airworthy Condition.

Signed Edward D VanKeeth A & P # 3574657746 IA
EDWARD D VAN KEETH

) ALTERATIONS
TIFICATE NUMBER OF
R SPECIFIC ENTRIES.)

Date 12/14/04 T.T 4689.23 Hr. Meter/Tach Indication 3200.01 TSMOH 843.73
TSTOH _____ Engine Inspection Performed in Accordance with FAR PART 43.
Engine compartment X Engine Mount X Engine Controls X Cowling X
Cleaned Fuel Injector Nozzles X Cleaned & Gapped Spark Plugs X
Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
Crankcase Bolts & Nuts X Intake & Exhaust Systems X
Oil Screens/Filter Element Checked X Oil Filter Changed —
Oil Changed-Service with AEROSHELL 65W
Fuel Sumps Drained & Checked X Fuel Screens Checked X
Magneto Points & Timing Checked X Carburetor Heat Checked X
Prop Governor Checked X Prop Condition Checked X
Nicks Removed From Prop Edges X Differential Compression Checked as Follows:
#1 70 #2 76 #3 76 #4 74 #5 75 #6 76 #7 — #8 — #9 —
AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 04 123
I Certify That This Engine Has Been Inspected In Accordance With A ANNUAL
Inspection And Was Found to be in Airworthy Condition.

Signed Edward D VanKeeth A & P # 3574657746 IA
EDWARD D VAN KEETH

:PAIRS AND ALTERATIONS
G AND CERTIFICATE NUMBER OF
S FOR OTHER SPECIFIC ENTRIES.)

This date CW AD 96-12-07 (Poplar Grove Airmotive see tag) Replaced oil screen housing and vernatherm with serviceable (used see yellow tag) CW AD 95-26-13 by inspection.

As per SAFB-AMOC Replacement of oil lines is no longer required at 8 years.

08/08/01 T.T 4535.65 Hr. Meter/Tach Indication 3046.2 TSMOH 687.65

TSTOH ——— Engine Inspection Performed in Accordance with FAR PART 43.

Engine compartment X Engine Mount X Engine Controls X Cowling X

~~Cleaned Fuel Injector Nozzles~~ ——— Cleaned & Gapped Spark Plugs NEW

Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X

Crankcase Bolts & Nuts X Intake & Exhaust Systems X

Oil Screens/Filter Element Checked X ~~Oil Filter Changed~~ ———

Oil Changed-Service with 100 W AEROSHELL

Fuel Sumps Drained & Checked X Fuel Screens Checked X

Magneto Points & Timing Checked X Carburetor Heat Checked X

Prop Governor Checked X Prop Condition Checked X

Nicks Removed From Prop Edges ——— Differential Compression Checked as Follows:

#1 74 #2 77 #3 77 #4 77 #5 76 #6 77 #7 — #8 — #9 —

AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 01/15

I Certify That This Engine Has Been Inspected In Accordance With A 100 HR Inspection And Was Found to be in Airworthy Condition.

Signed Edward D Van Reeth A & P# 3574605746

Printed Edward D Van Reeth Work Order # ———

PAIRS AND ALTERATIONS
AND CERTIFICATE NUMBER OF
FOR OTHER SPECIFIC ENTRIES.)

Replaced all 12 plugs with UPEM 40E spark plugs, greased prop. Replaced waffel seal on left front waffel & doubled in center of cowl

DATE 19__	RECORDING TACH TIME

N8791W
8-8-01 TACH: 3046.2 TT: 4535.65

Completed ANNUAL INSPECTION; I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition. The aircraft or component identified above was inspected and/or repaired in accordance with current regulations of the Federal aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under WO# 1813.

SIGNED ———
Greg Cyrul 2636813 IA ---------- Midwest Flight Check CRS# MFKR583K

Date 08/06/02 T.T 4587.2 Hr. Meter/Tach Indication 3595.47 TSMOH 738.92

~~TSTOH~~ ——— Engine Inspection Performed in Accordance with FAR PART 43.

Engine compartment X Engine Mount X Engine Controls X Cowling X

~~Cleaned Fuel Injector Nozzles~~ ——— Cleaned & Gapped Spark Plugs X

Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X

Crankcase Bolts & Nuts X Intake & Exhaust Systems X

Oil Screens/Filter Element Checked X ~~Oil Filter Changed~~ new Bracket BA3 10 studs

Oil Changed-Service with AEROSHELL 100W

Fuel Sumps Drained & Checked X Fuel Screens Checked X

Magneto Points & Timing Checked X Carburetor Heat Checked X

Prop Governor Checked X Prop Condition Checked X

Nicks Removed From Prop Edges X Differential Compression Checked as Follows:

#1 74 #2 77 #3 75 #4 78 #5 79 #6 78 #7 — #8 — #9 —

AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 02/14

I Certify That This Engine Has Been Inspected In Accordance With A ANNUAL Inspection And Was Found to be in Airworthy Condition.

Signed Edward D Van Reeth A & P# 3574605746 IA

Printed Edward D Van Reeth Work Order # ———

DATE 19__	RECORDING TACH TIME	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS (NUMBER OF ENTRIES.)
		Date 05/02/99 T.T 4423.40 Hr. Meter/Tach Indication 2933.95 TSMOH 577.40
		~~TSTOH~~ ____ Engine Inspection Performed in Accordance with FAR PART 43.
		Engine compartment X Engine Mount X Engine Controls X Cowling X
		~~Cleaned Fuel Injector Nozzles~~ ____ Cleaned & Gapped Spark Plugs X
		Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs X
		Crankcase Bolts & Nuts X Intake & Exhaust Systems X
		Oil Screens/Filter Element Checked X ~~Oil Filter Changed~~ ____
		Oil Changed-Service with Aeroshell 100 W
		Fuel Sumps Drained & Checked X Fuel Screens Checked X
		Magneto Points & Timing Checked X Carburetor Heat Checked X
		Prop Governor Checked X Prop Condition Checked X
		Nicks Removed From Prop Edges ____ Differential Compression Checked as Follows:
		#1 77 #2 78 #3 75 #4 77 #5 77 #6 72 #7 — #8 — #9 —
		AD Compliance List at Rear of Log. AD Compliance Checked Through Issue 99-07
		I Certify That This Engine Has Been Inspected In Accordance With A 100 HR
		Inspection And Was Found to be in Airworthy Condition.
		Signed Edward D VanReeth A & P # 357465746
		Printed Edward D VanReeth Work Order # 12936
		Installed rebuild muffler & repaired Right stack (by Dawley Greyellowtrq) using 3 new 77614 Ulo proof gaskets. & new Rem 40E plugs
5/2/99		Tach 2933.95 TSMO 577.4 T.T. 4423.40 I certify that this engine has been inspected in accordance with an Annual Inspection and was found to be in airworthy condition Gordon W. Rutt IA303528

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Changed oil - installed 10 qts Grade 100, Tach Time 2974.05
				Murphy owner 9/16/99
6/18/00	TACH = 3006.1			Drained oil & checked screen for metal. Serviced with 10 qts Aeroshell 100. Replaced all intake hoses and oil return hoses. Compressions #1 70/80 #2 75/80 #3 75/80 #4 75/80 #5 70/80 #6 75/80. Washed engine. Cleaned fuel screens and oil suction screen.
				I certify this engine has been inspected in accordance with and ANNUAL inspection and determined to be in airworthy condition.
				Edward D. Umbles
				A+P 2197698 IA

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Adjusted prop governor control arm to hit high RPM stop, reset mags to proper timing. Removed exhaust & Replaced cyl # 5 & #6 exh gaskets. Replaced air intake filter with Brackett Ba-3 element. AD# 97-15-11 N/A due to time period
5/28/98	Tach indicates 2888.74	Total time 4378.19 hrs. time since major overhaul is 532.19 hrs. AD Compliance searched thru 98-10 & certify that this engine has been inspected in accordance with an Annual inspection and was found to be in air-worthy condition. Gordon W. Ruth IA 303528		

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/12/98	2908.67			Removed left magneto. Replaced impulse coupling cam P/N 10-400167-10E, 10-357586 Gear kit and 10-51324 impulse spring. Cleaned block and points. Installed on engine and run. Checks good. Edward A. Quibble A+P 2197698
~~01-20-99~~				~~This engine removed for Overhaul by G+D See new Logbook~~ ~~Edwanfeet A+P 357465746~~
				This entry was made in the wrong book it was for another aircraft Edwanfeet

DATE 1997	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9/25/97	TACH	2875		INSTALLED STAPLES HOLDINGS SKY-TEC STARTER
		PER	MANUFACTURES	INSTRUCTIONS. — AP3466363 7
9-25-97	TACH	2825		INSTALL NEW RING GEAR (OWNERS SUPPLIED)
				3906 5725

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date 05-28-98 T.T. 4378.19 Hr. Meter or Tach. Indication 2888.74 TSMOH 532.19 TSTOH — Engine Inspection Performed in Accordance With FAR PART 43. Engine Compartment X Engine Mount X Engine Controls X Cowling X Cleaned Fuel Injector Nozzles — Cleaned & Gapped Spark Plugs X Checked & Cleaned Air Filter X Cooling Baffles X Cylinder Base Studs, Crankcase Bolts & Nuts ___ Intake & Exhaust Systems ___ Oil Screens ___ Oil Filter Changed — Old Filter Element Checked X Fuel Sumps Drained and Checked X Fuel Screens Checked X Magneto Points & Timing Checked X Carburetor Heat Checked X Prop Governor Checked X Prop Condition Check X Nicks Removed From Prop Leading Edges X Differential Compression Check as follows: #1 74/80, #2 74/80, #3 74/80, #4 75/80, #5 75/80, #6 74/80, #7 —/80 #8 —/80, #9 —/80. AD Compliance List at Rear of Log. AD Compliance Check Through Issue 98-10. I Certify That This Engine Has Been Inspected In Accordance With A 100 Inspection and Was Found to be in Airworthy Condition. signed Edward D VanKeeth A&P # 3574605746

EDWARD D VANKEETH

Removed #4 cyl due to crack in the exhaust port cyl repaired by G-N (see yellow tag) installed cyl using Lycoming overhaul manual, new rings & piston pin plugs were used serviced engine with 20/50 Type M Philips oil. Removed starter and sent to the manufacter for rework (see yellow Tag)

-OVER-

DATE 1997	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/6/97	TR 2825.12			**SUNSHINE AIRCRAFT REPAIR INC.**
T.T.E	4314.69			I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.
S.M.O.	468.69			
				CYLINDER COMPRESSION TEST: #1-70/80 #2-76/80 #3-72/80
				#4-75/80 #5-70/80 #6-72/80. REPLACED ROCKER COVER
				GASKETS WITH 'REAL' GASKETS. REPLACED 6 SPARK PLUGS.
				CLEANED, GAPPED AND TESTED 6 SPARK PLUGS. CHANGED OIL
				AND CHECKED OIL SCREEN. ADDED 100W AEROSHELL OIL.
				CHECKED MAGNETO TIMING. DRAINED CARB BOWL. SMOOTHED
				OUT PROP NICKS. -end-
				SUNSHINE AIRCRAFT REPAIR, INC. 9612 52nd Street Kenosha, Wisc. 53144 414-656-7051
				HOWARD W. SIEDLECKI AP2111293IA

DATE 1997	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				6/24/97 T.R. 2831.78 N8791W S/N 28-10339
				INSTALLED AIRBORNE VACUUM PUMP
				P/N 211CC S/N AM005195, THIS
				DATE. -end-
				HOWARD W. SIEDLECKI AP2111293IA
				SUNSHINE AIRCRAFT REPAIR, INC. 9612 52nd Street Kenosha, Wisc. 53144 414-656-7051
9/20/97	2873.52			Changed oil 10 qts Grade 100 (P Murphy (owner))

DATE 1995	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
06-01				Performed an annual inspection in
Tach	2708.08			accordance with the Annual inspection
TEng	4197.65			guide. Changed oil and cleaned oil
TSMOH	351.65			screen. No metal detected. Cleaned +
Compression Check				Gapped Spark plugs. Cleaned Fuel screens.
Cyl	#1-67/80			Performed AD research through 95-10.
	#2-78/80			Discovered AD 94-01-03 eff. date: 09-06-94
	#3-70/80			not previously Complied with. Removed
	#4-77/80			Right magneto after discovering the bad
	#5-75/80			coil inside. Sent to Aircraft Systems -
	#6-76/80			Rockford, ILL. - for servicing. (See yellow
				tag attached for work performed).
				Installed magneto ~~the~~ to the engine +
				timed magneto's to engine.
				I certify that this engine has been inspected
				in accordance with an Annual Inspection
				and was determined to be in Airworthy Condition
				IA 3658634 09

END

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-3-96	Tach Reads 2764.11 TTE. 4253.68 TSMOH 407.68			
				Annual inspection completed this date. Comp
				CR #1-73, 2-77, 3-75, 4-77, 5-76, 6-75 Drained
				oil and checked screen for metal - none found
				at this time. Serviced with 10qt Aeroshell
				50 wt oil. Replaced air filter, cleaned fuel
				screens, cleaned and gapped plugs, checked
				mag timing, checked and lubed controls.
				Washed engine and cowl, run-up normal
				at this time. I Certify that this engine
				has been inspected in accordance with an
				Annual inspection and was found to be
				in an Airworthy Condition at this time
				IA 2040258

DATE 1993	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-7-93				Annual inspection completed this date. Cleaned lubed,
Tach	2573.6			+ inspected engine controls. Drained oil + checked
TT	4063.17			screen. Serviced with 10 qts 100W. Cleaned + gapped
TSMOH	217.17			plugs and checked timing. Cleaned fuel screens.
				Checked exhaust and accessories. Tightened 90°
				elbow on fuel pump. Repaired Right rear engine
				baffle. Comp. check as follows: #1-79, #2=79, #3-78,
				#4=78, #5=77, #6=78. Test run + check ok.
				I certify that this aircraft engine has been inspected
				in accordance with an ANNUAL Inspection and
				was determined to be in airworthy condition.
				[signature]
				IA 333603316

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-10-94				This date completed 100hr insp. Cleaned, Lubed, +
Tach -	2641.57			Inspected engine controls as required. Drained
TT -	4131.14			oil. Checked screen no metal found. Serviced w/
TSMOH -	285.14			10 qts Phillips type "M" oil. Checked fuel screens, cleaned
				+ gapped plugs. Checked timing. Instaled BA-103 airfilter.
				Installed new fuel line from firewall to pump + new
				primer hose. Comp + as follows 1 74/80 2 77/80 3 77/80 4 77/80
				5 74/80 6 78/80. Installed Rebuilt cyl on #1 due to crack
				in EX port. See yellow tag. C/W AD 94/04/03 by insp
				IAW MSB 644. Solvent washed + test Run satisfactory
				I certify this aircraft engine has been inspected
				IAW a 100hr inspection + determined to be in airworthy
				condition.
				[signature]
				348-60-0767 A&P

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				12-17-91 Changed Oil Tach 2490.3
				30W detergent. P Murphy Owner
6-12-92				Annual Inspection completed this date. Cleaned, lubed,
Tach	2518.27			+ inspected engine controls. Drained oil + serviced with
TT	4007.84			9 qts 100W. Checked screen. No metal at this time.
TSMOH	161.84			Comp. check as follows: #1=78, #2=79, #3=79, #4=78, #5=78,
				#6=78. Cleaned + gapped plugs + checked timing. Cleaned
				+ checked fuel screens. Repaired #3 cyl. primer line.
				replaced both fuel line going to carb with new. Solvent
				washed + test run. Check ok. I certify that this
				aircraft engine has been inspected in accordance with
				an annual inspection and was determined to be in
				airworthy condition.
				[signature]
				IA33603316
				11/26/92 Tach 2566.90 Changed Oil
				10 qts Shell Grade 65 P Murphy Owner

DATE 1993	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-3-93	2567.98			Repaired oil return line on #2 cyl.
		Removed		exhaust system and had it repaired by
		Dawley Aviation		see yellow tags. Reinstalled exhaust
				system with new gaskets. Repaired carb. heat shroud
				and muffler shroud. Tied off baffel wire and oil line
				on #3 cyl. Reinstalled center baffeling.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.
Signed [signature] for
Kenosha Aero, Inc., Certificate No. KABR 076A

DATE 1989	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9/23/89	TACH.		2355.43	INSTALL THIS ENGINE IN PA28-235 S/N 28-10339 N8791W; USING SAME ENG MTS TORQUED TO PIPER SPECS, OWNER HAD OIL COOLER & LINES FLUSHED, PROP. GOV. INSP. & CLEAN, PROPELLER INSP. & CLEAN Refer To SERVICABLE TAG'S, NEW FUEL PUMP P/N 41271, PROP TORQUED TO SPECS., & SAFETEP. ENG TEST RUN-UP, ADJ. CARB. AS NEEDED, ADD 10 QTS. SHELL 50W MINERAL OIL. PREFORM OTHER ROUTINE MAINTENANCE. A/C TO BE TEST FLOWN by PILOT-OWNER. I CERTIFY THAT THIS ENGINE IS IN AIRWORTHY CONDITION. JOLIET AIRMOTIVE INC by A&P J. Johnson 2109820
10/23/89				Changed oil - Aeroshell 65 30W mineral Oil - Checked Lower screen Found To be clean 10 qts oil installed Tach Reads 2364.55 P Murphy (Owner)

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-19-90	TACH.		2376.78	C/W ANNUAL INSP., COMP. CK. ALL 75 OR BETTER, CK. MAG TIMING, chg. OIL & INSP. OIL SCREEN, ADD 10 QTS. SHELL 50 STR. MIN. OIL, INSP. EXH. SYSTEM, CLEAN & LUBE CONTROLS. I CERTIFY THAT THIS ENGINE IS IN AIRWORTHY CONDITION. TIME SMOH 21.35. BY JOLIET AIRMOTIVE INC BY IA J. Johnson 2109820.
10-19-90				Changed o/l Aeroshell 30W detergent P Murphy owner
5-9-91	TACH.		2429.82	TT ENG. SINCE O.H. 74.4 HRS. This engine was inspected IAW a 100 hr. inspection using Lycoming service manual. Oil drained and screen inspected - no metal found. System serviced with 10 qts. Aeroshell 100W. Plugs cleaned, gapped and tested. Compression results are satisfactory. Engine runup and leak check satisfactory. Mags contacts checked for wear and proper clearance, timing checked ok. This engine is satisfactory for return to service. S W Anderson IA 2280

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits
Engine disassembled, cleaned, inspected and reassembled in accordance with manufacturer's overhaul instructions. All steel parts magnafluxed. Engine test run in F.A.A. approved test cell. All applicable Airworthiness Directives and Manufacturer's Service Bulletins are in compliance. A description of these repairs is on file at this agency under:

JOB NO. 39000

MFG.

Serial No.

DATED Sept. 19, 1989

MODEL O-540-B4B5

Time in svc. 3846hr.

G & N AIRCRAFT, INC.

1701 East Main St., Griffith, IN 46319
Telephone: (219) 924-7110

Eugene P. Comer
Authorized Signature

C.R.S. #3125

CAUTION:

Use only straight mineral oil during break-in period or for the first fifty (50) hours.

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

The Accessories Listed Below Were Overhauled and Supplied With This Engine

ENGINE Lyc. O-540-B4B5 SN L-15403-40 DATE Sept. 19, 1989

	P/N	S/N		P/N	S/N
L MAG.	10-51365-47	583643	PROPELLER	None	
R MAG.	10-51365-46	583669	PROP.GOV.	None	
ALT./GEN.	None		TACH.GEN.	None	
INJ./CARB.	10-4404	R-40-8161	TURBO CHARGER	None	
FUEL PUMP	None		WASTE GATE	None	
STARTER	Prest. MZ4222	12M000022	CONTROLLER	None	
VAC.PUMP	None		CONTROLLER	None	
HYD.PUMP	None		REL.VALVE	None	

G & N AIRCRAFT, INC.

1701 East Main St., Griffith, IN 46319
Telephone: (219) 924-7110

W.O. # 39000

Eugene P. Comer
Authorized Signature

C.R.S. #3125

G & N AIRCRAFT, INC. / Limited Piston Engine Warranty

Effective 1/4/88. **G & N Aircraft, Inc.**, (hereinafter "G & N") makes the following warranty to its customer, subject to the limitations, conditions and exclusions set forth below.

WARRANTY COVERAGE - For a period of six (6) months after date of delivery to customer, or 240 hours of operation, whichever occurs first. G & N Aircraft, Inc. shall repair or replace, at its option, any aircraft engine, accessory, or part which is found to be defective, to G & N Aircraft, Inc.'s satisfaction, within said warranty period.

For engine warranty after six (6) months from date of delivery to customer and prior to the expiration of 1000 hours, the cost of repair or replacement (including the cost of parts and labor), at G & N Aircraft, Inc.'s option, shall be prorated in the following manner. The customer shall pay the net price for a newly remanufactured engine equal to the current list price for the engine divided by 1000 hours, and then multiplied by the number of hours on the repaired or replaced engine (which shall be deemed the greater of the actual logbook hours, recorded tachometer hours or hours or time at forty (40) hours per month from the date of delivery). Reasonable labor costs associated with the repair of a warranteed engine shall be prorated in the same manner on the basis of a flat rate schedule established by G & N Aircraft, Inc.

After the initial six (6) months from date of delivery or 240 hours of operation, G & N Aircraft, Inc. will not assume any responsibility for the repair or replacement of engine accessories, E. G. magneto, starter, alternator, ignition harness, turbocharger, etc.

Replacement parts supplied for warranteed engines still covered by manufacturer's warranty are supplied on an exchange basis. G & N Aircraft, Inc. will pursue warranty claims with the manufacturer on the owner's behalf. Any allowance by the manufacturer will be credited to the operator's account.

CONDITIONS AND PROCEDURES FOR OBTAINING WARRANTY WORK - The foregoing warranty shall be effective only if the engine or component to be serviced is returned to G & N Aircraft, Inc.'s facility at customer's expense, together with particulars in writing of the nature of the defect. The customer or his representative should contact G & N Aircraft, Inc. for verification and authorization of warranty prior to return and/or repair. Written authorization must be obtained from G & N Aircraft, Inc. before repairs covered by warranty can be performed other than by G & N Aircraft, Inc. In no event shall allowable labor costs exceed local published shop rates. The foregoing warranty shall apply if and only if the engine has been properly installed and maintained in accordance with current approved standards of the FAA and current recommendations of the manufacturer as specified in applicable factory manuals and service bulletins. The performance of recommended inspections and maintenance must be documented by logbook entries which must accompany any engine returned for warranty work. Defects must be discovered within the warranty period and G & N Aircraft, Inc. must be given prompt notice thereof in writing, within ten (10) days after discovery.

LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS - G & N Aircraft, Inc. shall not assume freight charges, transportation or delivery expenses, costs, or airframe repairs, all of which are excluded under this warranty. G & N Aircraft, Inc. does not warrant parts, materials or services supplied which are covered by manufacturer's warranty. This warranty shall not apply to any engine which has been subject to misuse, neglect, accident or damage from the elements, or which has been installed, repaired or maintained or altered in any manner which, in the judgement of G & N Aircraft, Inc. has had an adverse effect on the engine or part. This warranty shall not apply to any engine which has been operated under conditions which exceed the manufacturer's recommendations. This warranty shall not apply to any engine which has been repaired or altered, in any manner other than by G & N Aircraft, Inc., or it's representative.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE WARRANTY OR MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE WHICH WARRANTIES ARE HEREBY EXCLUDED. G & N Aircraft, Inc.'s liability hereunder shall be limited to the repair or replacement of any engine or part found to be defective within the applicable warranty period as set forth above. IN NO EVENT SHALL G & N AIRCRAFT, INC. BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR ECONOMIC LOSS OF ANY NATURE WHETHER ARISING IN CONTRACT OR TORT, INCLUDING STRICT LIABILITY IN TORT OR NEGLIGENCE ON THE PART OF G & N AIRCRAFT, INC. The foregoing limitations and exclusion with respect to implied warranties, and the exclusion of incidental or consequential damages may not apply in those states which prohibit such limitations or exclusions. This warranty gives customer specific legal rights, and the customer may have other rights which vary from state to state.

Warranty No. 39000 TH DW P.010 Nite

Engine Serial No. L-15403-40

Aircraft Registration No. _____

G & N AIRCRAFT, INC.

1701 East Main Street
Griffith, Indiana 46319
Tel: (219) 924-7110

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER _____ MODEL _____

SERIAL _____ TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT PA28-235 N8791W

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

CAUTION:

Use only straight mineral oil during break-in period or for the first fifty (50) hours, whichever occurs first.

The Standard

ENGINE LOG