

The Standard
ENGINE LOG

ASA/SE-2

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER CONTINENTAL MODEL T510 360 GB

SERIAL 309389 TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT N 231 U

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.



The Standard

ENGINE LOG

[illegible]

[illegible]

DATE 19 <u>92</u>	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.)
5-15-92			198.3	I certify that this engine has been inspected in accordance with a <u>100 hr ANNUAL</u> inspection and was determined to be in airworthy condition. Don Lagin AIP 27665 IA
4-12-93				
TALIT 223.35				
TOTAL Time 223.35				Complied with annual insp. drained oil & serviced Replaced oil filter Comp. test #1 79/80 #2 79/80 #3 79/80 #4 79/80 #5 79/80 #6 79/80 pulled insp. & clean spark plugs Run-up performed all sys. Ched good. I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Donill IA 44626512

5-16

DATE 19 <u>93</u>	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.)
9-16				Installed New Vacuum pump
				211cc cyp's ched good. D. Smith AA44626512
11-30-93	264			15W50 Oil Change + filter J. Brown
5-1-94				Complid with Annual Insp.
TACH-286.65				Change oil & Filter Clean screen
TOTAL-286.65				pull plys Clean & gapp
TSMOH-0-				Comp test #1 7 7/80 #2 7 2/80 #3 7 6/80
TSN-286.65				#4 7 8/80 #5 7 6/80 #6 7 3/80
				ched all engine Controls & lub
				Run-p Engine all systems ched
				good. No leaks Noted. & certify
				that this Engine has been inspected
				I/AW an Annual Inspection & was
				determined to be in Airworthy
				Condition. D. Smith AA44626512

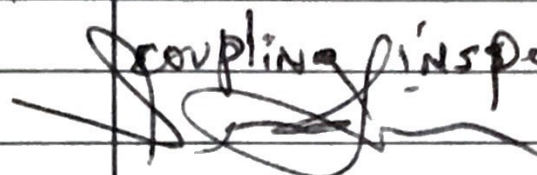
DATE 1975	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/26/95	HOBBES-	327.8		PERFORMED 100 HR ENGINE INSPECTION IAW MOONEY
	TOTAL	327.8		& CONTINENTAL SERVICE MANUALS DRAINED OIL
				AND CHANGED FILTER. SERVICED W/8 qts AEROSHELL
				15W50. LUBED ALL ENGINE CONTROLS. INSTALLED NEW
				RAPCO O/H VACUUM PUMP 241CC, PRECISE FLIGHT STBY
				VACUUM AND MERLIN AUTOMATIC WASTEGATE. (SEE
				331's IN A/C RECORDS). CLEANED AND TREATED CORROSION
				ON ENGINE MOUNT. REPAIRED BAFFLE WHERE INDUCTION
				TUBE PASSES THRU. CLEANED AND GAPPED PLUGS.
				COMPRESSION 1-78 2-70 3-78 4-77 5-78 6-78
				<i>[Signature]</i>
				AP 215982129
6/26/95				ALL A.D.'s check for compliance thru
				Rev 95-10 As of this date I HAVE completed
				Insps This Engine in Accordance with an annual
				Insps In Accordance with FAR 43 Appd "d" and
				as of this date is approved for return to service

[Signature]
IA 132500692

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.)
9-19-95		Hobbs	00.0	Replaced Hobbs - old meter reading 327.8. Changed oil & Filter. Added 8 qts AS 15-50. Leak check satisfactory. Installed Tanis TAS-100 system per drawings #105. m/j AP 581442653
6/10/96	Hobbs 42.3			Completed 100hr / Annual inspection per International Aviation Checklist. Drained engine oil. Serviced engine with 8 qts of A/S 15/50WT oil. Replaced oil filter Chrysler. Ground run leak ck. Satisfactory. Retuned both engine mags to 20 degrees BTC. Balanced prop to 1 I.P.S. Researched AP's through 96-09 no new AP's this date. 5/16/96. Zhe Chen (Compression) See with 23165 for further details. 1. $\frac{27}{80}$ 2. $\frac{27}{80}$ 3. $\frac{27}{80}$ 4. $\frac{27}{80}$ 5. $\frac{27}{80}$ 6. $\frac{25}{80}$

I CERTIFY THAT THIS AIRFRAME/ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH A 100hr/Annual INSPECTION
AND WAS DETERMINED TO BE IN AN
AIRWORTHY CONDITION.
DATE 6/10/96 T.T. 520.1 TSMOH
SIGNATURE Zhe Chen
CERT # GNER-387E

International Aviation - SAF
FAA APPROVED REPAIR STATION
NO. GNER-387E
RT. 20 BOX 180D
SANTA FE, NM 87501

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.)
8/14/66	Hobbs time	46.3		Checked status of AD 96-12-07. Impulse coupling inspection due @ 277.9 Hobbs. 
				International Aviation - SAE FAA APPROVED REPAIR STATION NO. GNER-387E RT. 20 BOX 180D SANTA FE, NM 87501
				#1 8/80 #4 77/80 #2 78/80 #5 79/80 #3 79/80 #6 74/80
				ENGINE has been inspected in accordance with an <u>ANNUAL</u> and found to be in airworthy condition.
6/24/97	Hobbs time	102 HRS.	429 HRS. TOTAL TIME	Aeroshell 15W50 oil & CH48108 oil filter. Reoiled rt. mag. to engine, installed steel washers under prop. mounting nuts. Welded heater duct fitting broken out of rt. muffler shroud. See back of book for AD list. Bob Stafford IA1436185

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
19__				ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				ENGINE has been Magnaflex crankshaft, rods, and inspected in accordance with AN ANNUAL inspection gear, several weeks before this and found to be in satisfactory condition. 5/31/98 date.
				Hobbs reads 110 hrs. 437 hrs. total time. Phillips V/C SAE 20-50 oil and CH48108 oil filter. Installed new VAR PIN 653129 crankshaft, new rod + main bearings, rod bolts, piston pin + plug assys., cam and c/s, one and one rocker arm retainers. See back of book for AD list. Bob Stafford FA1436185
				I certify that this ENGINE has been inspected in accordance with AN ANNUAL inspection and found to be in satisfactory condition.
				#1 75/80 #4 76/80 #2 78/80 #5 76/80 #3 75/80 #6 77/80
				10/5/99 Hobbs reads 125 hrs. 452 hr. TOTAL TIME, Aeroshell 15W50 oil + CH48108 oil filter. Detorqued lt. mag. mounting nuts - See back of book for AD list Bob Stafford FA1436185
May-19-2000				Hobbs time 129.3 Hrs. C/W TCM MSB-00-5 on engine TS10-360-GB, s/n-309389, Crank s/n-D019813N- Service Bulletin not applicable to this crankshaft. Found to be AT # 461820075

DATE 2000	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.)
June-6-00	1293 Hrs		total time 457.1 Hrs.	Conducted Inspection of Engine 1/A/W Mooney 100 Hour/Annual Inspection Guide Checklist. Ran & checked engine general condition. Checked controls & gauges for proper operation & indication. Performed differential pressure checks on cylinders with results as follow: #1 $\frac{20}{80}$ 2 $\frac{25}{80}$ 3 $\frac{20}{80}$ 4 $\frac{22}{80}$ 5 $\frac{23}{80}$ & 6 $\frac{23}{80}$. Drained oil sump & removed oil filter. Checked oil & oil filter element for contaminants no metal found @ this time. Installed new C448108 oil filter & serviced engine with 8 qts. of Acrosnell 15W-50 oil. Removed, cleaned, inspected & regreased spark plugs. Checked Magneto wiring harness for condition. ✓ Checked magnetos for security, timing & proper operation. Inspected all other electrical components in engine compartment. Checked Induction & Exhaust systems for condition & security. Removed, inspected & cleaned engine air filter. Removed heater shrouds & replaced right side unit with used serviceable unit. Old one had cracks & bad repairs. Removed, fuel injection nozzles, inspected & cleaned. Checked & lubed control mechanism on alternate air valve. Inspected turbo for condition & cracks. no cracks found as per Inspection 1/A/W AD 82-27-03. Checked engine mount & removed corrosion @ right left front area primed & repainted over

DATE	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.)
2000 June 6-00	129-3	Hrs. Continues		from last page. Replaced left magneto deck pressure hose (was worn + chafed). Repaired right front engine baffle that was cracked. Secured with rivets, loose wastegate valve shield. Repositioned prop-de-ice brush block, from front of crankshaft flange to back of it. Installed rubber boots on alternator + starter cables. Connected cooling duct for vacuum pump @ engine baffle. Replaced wrong hardware on vacuum pump studs. Replaced damaged grommet for wastegate hose @ engine baffle. Secured loose lines for # 6 + 1 cylinder + primer. Installed missing, crankshaft seal retainer bracket + bolts (2). C/W AD 84-26-02 on paper air filter as per note on AD, Inspection + cleaning of filter element. C/W Recurring AD's + verified other pertinent AD's through IA Approach disc 2000-10. See AD list enclosed with A/C records. Washed engine, lubed controls. Run + checked for performance + leaks. Adjusted unmetered fuel pressure + idle / mixture as per Mooney Maintenance Service Manual. I certify that this Engine was Inspected in accordance with an Annual Inspection and was found Airworthy for return to Service.

C/O Lone Star Aviation Co. # 1303

Leonardo Sainz
A/P # H618220751A

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.)
				Top Gun Aviation, Inc. 6100 S. Lindbergh St. Stockton, CA 95206 (209) 983-8082
				Reg. #: 231U Tach: 176.4 AF TT: <u>514.2</u>
				Date: 09-18-2000 Eng TT: <u>514.2</u> Date: 09/14/00 RO: 0095783
				Installed a new TIT probe. Performed ground run and ops check. Tested OK.
				I certify that this ENGINE is airworthy with respect to the work performed.
				<i>Thomas W. Richardi</i> Thomas W. Richardi 547493873 A&P
11/28/2000	202.3		540.9	Drained oil and replaced with 6 quarts shell 15w-50 Replaced oil filter with Champion CH48108 Run up & leak check OK. For TW PPSEL/I/G

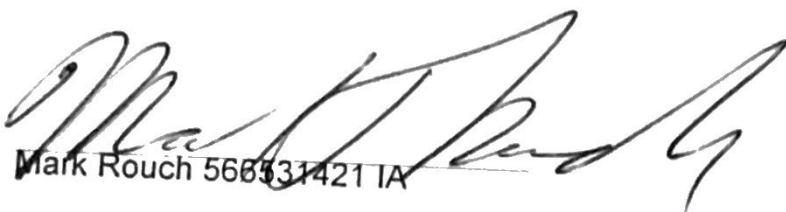
Top Gun Aviation, Inc.
6100 S. Lindbergh St.
Stockton, Ca 95206
209-983-8082

Reg #: 231U TachTT: 217.9
Date: 04-18-2001 Eng TT: 545.7

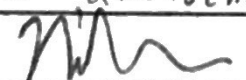
AcftTT: 545.7
Ro#: 1046417

Changed oil and filter, serviced engine with 7 qts of Aeroshell 15W50oil. Compression check 1) 78/80 2) 79/80 3) 77/80 4) 78/80 5) 72/80 6) 78/80. Cleaned, gaped and rotated spark plugs. Replaced #1, #2 & #4 cylinder rocker covers. Repaired heatshield at Merlin wastegate. Adjusted mag to engine timing. Checked all AD's thru 2001-06 for applicability.

I certify that this ENGINE has been inspected IAW an ANNUAL inspection and is airworthy with respect to the work performed.


Mark Rouch 566331421 IA

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

7/5/200	252.2	579.8	Drained oil and replaced with 8 qts shell 15w-50. Replaced oil filter with Champion CH48108 Run up and leak check OK Filter disassembly check OK Em  PPSEL/I/G 
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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.)
8/16/2001	14033.5	260.4	588.2	Replaced Points and Condenser in RH MAG. Run up ✓ good M. W. Lane AEP 30564/678
10/10/01	280.9		608.7	Drained oil and replaced with 7 qts Shell 15w-50 Replaced oil filter with Champion CH48108 Run up and leak check OK Oil filter disassembly check OK EW M. W. Lane PPSEL/1/6
12/22/01	291.1		618.9	Cleaned and regapped plugs Engine run check OK EW M. W. Lane PPSEL/1/6

DATE

19__

ENGINE MODEL TSIO-360-GB
ENGINE SN 309389
REG NO 231U
WORK ORDER 556-04-2002

Top Gun Aviation, Inc.

6100 S Lindbergh St
Stockton, CA 95206

DATE 4/24/2002
TTA 6318
TTE 6318
TSMOH
TACH 3040

IONS
JMBER OF
ENTRIES.)

Engine Entries

(2) Compression test 1]74/80 2]75/80 3]72/80 470/80 5]72/80 6]70/80.... (4) Changed oil and oil filter. Serviced with 7 qts. Aeroshell 15W50.... (14) Performed 500 hour inspections on both magnetos. Replaced contact breakers, carbon brushes and snap rings in both magnetos. Replaced coil hold down clamps and distributor block in left magneto. Installed missing gasket and seal, TCM pin 10-163384 and 10-163177 on right mag. Inspected impulse couplings IAW AD 96-12-07 OK. Timed magnetos to engine.... (18) Tightened all rocker covers.... (20) Tested and installed twelve new Champion RHM38E spark plugs.... (27) Installed starter adapter after overhauled by Air West engines.... (34) Completed 100hr/Annual inspection....

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 4/24/2002

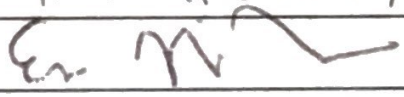
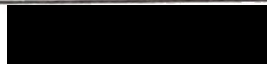
SIGNED:



WORK ORDER: 556-04-2002

Mark T. Rouch, A&P 566531421 IA

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8/26/2002	334.1	661.9	Drained oil and replaced with 7 qts Shell 15w-50 Replaced oil filter with Champion CH48108 Run up and leak check OK Oil filter disassembly check OK Em  PPSEL/1/6 
8/28/2002	334.4	662.2	Removed and cleaned fuel injectors #2 and #6 Replaced "O" rings and seals Run up and leak check OK Em  PPSEL/1/6 

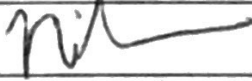
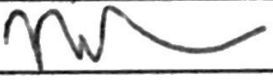
Vern R Miller A&P 1938774

DATE 2003 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.)
1/7	553.2		681.0	Drained oil and replaced with 7 qts Shell 15w-50
				Replaced oil filter with Champion CH48108
				Run up and leak check OK
				Oil filter disassembly check OK
				E. N. W. PPS 1/1/6 [REDACTED]
ENGINE MODEL TSIO-360-GB ENGINE SN 309389 REG NO 231U WORK ORDER 1119-03-2003 Top Gun Aviation, Inc. 6100 S Lindbergh St Stockton, CA 95206 DATE 4/15/2003 TTA 686 20 TTE 686 20 TACH 358 40				
Engine Entries (2) Compression test results: #1 76/80, #2 77/80, #3 77/80, #4 76/80, #5 77/80, #6 75/80.... (4) Changed oil and filter, serviced 7 qts Aero Shell 15W 50.... (5) Cleaned, gapped, and rotated spark plugs.... (31) Completed 100hr/Annual inspection....				
I certify that this ENGINE is anworthy with respect to the work performed				
DATE: 4/15/2003 SIGNED:  Mark T. Rouch, A&P 566531421 IA WORK ORDER: 1119-03-2003 Printed by EBis (http://www.datcomedia.com)				
8/27/03	378.8	-	106.6	Drained and replaced oil with 7 qts Shell 15w-50
				Replaced oil filter with Champion CH48108
				Oil filter disassembly check OK
				Run Up & Leak check OK
				E. N. W. A&P 278 3808

DATE 2008 4/24	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.)
1/6	396.7		724.5	Drained oil and replaced with 7 qts Shell 15w-50 Replaced oil filter with Champion CH48108 Oil filter disassembly check normal Run up and leak check normal Eric Niv A&P 2783808
3/2	410.6		738.4	Replaced valve cover gaskets: #1 ex 9 in, #3 in, #5 ex Eric Niv A&P 2783808
5/18	415.6		753.6	Compression test: 1) 74 2) 73 3) 74 4) 72 5) 69 6) 75 Changed oil & filter, refilled with 7 qts Shell 15w-50. Filter disassembly check normal. Cleaned, gapped & rotated spark plugs. Checked mag timing AD 96-12-07 not due until 11318 hours Eric Niv A&P 2783808

DATE	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.)
2004				
5-18-04	415.6		753.6	I certify that this <u>Engine</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.
				<u>Brin R Miller IA1938774</u>
9/7/04	449.2		787.2	Drained oil and replaced with 7 qts Shell 15W-50 Replaced oil filter. Dissassembly oil filter inspection OK Ern <u>NW</u> A&P 2783808
1/18/05	463.9		801.9	Drained oil and replaced with 7 qts Shell 15W-50 Replaced oil filter. Dissassembled and inspected oil filter. Repaired broken ground wire on Tannis engine heater. Ern <u>NW</u> A&P 2783808
5/20/05	466.1		804.1	Installed Alternate Air Modification Kit per Mooney drawing 940029 - See new W&B document this date. Repaired wastegate shield bracket. Replaced prop control rod end. Replaced 9 valve cover gaskets. Installed new grease fitting in tach right angle drive. Cleaned and greased, rotated and installed spark plugs
	installed prop, hub # 800260 on engine after overhaul by American Propeller.			
	Ern <u>NW</u> A&P 2783808			

— cont —

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.)
— Cent —				Compression check #1 78, #2 77, #3 77, #4 73, #5 76, #6 75 (all over 80). Checked mag timing.
A096-12-07	impuls	coupling		
not due until		1131.8 hours		Cleaned air filter, and replaced.
				Eric  A&P 2783808
5/21/05	466.1		804.1	This engine has been inspected IAW a 100 hour inspection and was determined to be in airworthy condition.
				Eric  A&P 2783808
5-21-05	466.1		804.1	I certify that this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition.
				Vern R Miller IA1938774
8/12/05	488.2		826.2	Drained oil and replaced with 7 qts Shell 15W50. Replaced oil filter, disassembly check normal.
				Eric  A&P 2783808

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.)
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ENGINE MODEL
ENGINE S/N
REG NO N231U
WORK ORDER
2244-01-2006



Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 1/5/2006
A/C TSN:
ENG TT:
HOBBS: 521.1

Engine Entries

(1) Drained oil, refilled with 7 qts shell 15W50. Installed new CH48108-1 filter. Cut open old filter checked OK. Took oil sample. Washed engine, run up check OK.

DATE: 1/5/2006

SIGNED:

Eric K Niedrauer, A&P: 2783808

Work Order: 2244-01-2006

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ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
2343-03-2006



Magnum Aviation

13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102

DATE: 4/14/2006
A/C TSN: 868 3
ENG TT: 868 3
HOBBS: 530.3

Engine Entries

(2) Inspected engine IAW Mooney service manual Compressions: 78 76 75 74 74 74/80. Checked magneto timing to engine.... (7) Installed new turbo to intercooler hose ... (17) Refaced #3 cylinder exhaust face.... (18) Refaced exhaust headers at cylinder heads and installed with new no-blow gaskets ... (22) Fabricated and installed new turbo to oil pressure sensor hose.... (24) C/W AD82-27-03 turbocharger inspection Next inspection due at 730 3 hobbs 1068 3 TT.

I certify that this engine has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition.

DATE: 4/14/2006

SIGNED:

Eric K Niedrauer, A&P: 2783808

Work Order: 2343-03-2006

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I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

DATE: 4/14/2006

SIGNED:

Mark W. Crouch, IA: 305641678

Work Order: 2343-03-2006

Printed by EBis 3 (datcomedia.com)

DATE

19

ENGINE MODEL:
TSIO-360-GB
ENGINE S/N: 309389
REG NO N231U
WORK ORDER:
2455-07-2006

**Magnum Aviation**

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 7/13/2006
A/C TSN: 886.8
ENG TT: 886.8
HOBBS: 548.8

OF
IES.)**Engine Entries**

(1) Drained oil and refilled with 7 qts Shell 15W50. Replaced oil filter with CH48108-1. Inspection of old filter found no abnormalities. Washed engine, run up check OK.

DATE: 7/13/2006

SIGNED:

Work Order: 2455-07-2006

Eric K Niedrauer, A&P: 2783808

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ENGINE MODEL:
TSIO-360-GB
ENGINE S/N: 309389
REG NO: N231U
WORK ORDER:
2563-09-2006

**Magnum Aviation**

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 9/27/2006
A/C TSN: 918.1
ENG TT: 918.1
HOBBS: 580.1

Engine Entries

(1) Drained oil, refilled with 7 qts Shell 15w50. Replaced oil filter with CH48108-1. Inspection of old filter found no abnormal particles. Took oil sample for analysis. Cleaned and reinstalled both rocker gaskets on #1 cylinder. Washed engine, leak check OK.

DATE: 9/27/2006

SIGNED:

Work Order: 2563-09-2006

Eric K Niedrauer, A&P: 2783808

Printed by EBis 3 (datcomedia.com)

DATE

19

ENGINE MODEL

TSIO-360-GB

ENGINE S/N 309389

REG NO N231U

WORK ORDER

2797-04-2007

Engine Entries

(2) Inspected IAW FAR 43 Appendix D checklist. Compressions: #1 76 #2 68 #3 79 #4 65 #5 71 #6 75/80. Drained oil and refilled with 7 qts Shell 15w50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. (6) Repaired upper intake duct at air filter. (8) Resealed rocker cover gaskets on right side of engine. (10) Replaced fuel and oil hoses. Replaced induction and fuel pump drain lines. (11) Installed new vernitherm.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition

DATE: 5/10/2007

SIGNED:

Eric K Niedrauer, IA 2783808

Printed by EBis 3 (datcomedia.com)

Work Order: 2797-04-2007



Magnum Aviation

13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102

DATE 5/10/2007
A/C TSN 9402
ENG TT 9402
HOBBS 6022

OF
IES.)

ENGINE MODEL

TSIO-360-GB

ENGINE S/N 309389

REG NO N231U

WORK ORDER

2943-08-2007

Engine Entries

(3) Drained oil, refilled with 7 qts Shell 15w50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned and reinstalled #3 intake rocker cover. Washed engine. Took oil sample

DATE: 9/10/2007

SIGNED:

Printed by EBis 3 (datcomedia.com)

Work Order: 2943-08-2007



Magnum Aviation

13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102

DATE 9/10/2007
A/C TSN 9719
ENG TT 9719
HOBBS 6339

D, 19

ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
3065-10-2007

Engine Entries

(1) Repaired starter adapter by installing Canadian Aero seals... (2) Installed starter motor overhauled by Georg installed two new contacts, one new gear kit and one ne



Magnum
13025 Murph
San Martin
Phone 408-4

DATE 12/18/2007

SIGNED

Eric K Niedrauer, A&P 27

ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
3248-04-2008



Magnum Aviation
13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102

Engine Entries

(2) Inspected IAW FAR 43 Appendix D checklist. Compressions: #1 78 #2 72 #3 76 #4 70 #5 75 #6 70/80. Drained oil and refilled with 7 qts Shell 15W50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles, cleaned, gapped and rotated spark plugs.... (10) Replaced pushrod tube seals on #1 and #3 cylinders with Real Gaskets RG360PRT-1 kits.... (11) Removed oil cooler and sent to Pacific Oil Cooler for overhaul on WO 65732, reinstalled after overhaul, no leaks noted.... (14) Replaced primary TIT probe with KS aviation A002C-30 probe.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

SIGNED

DATE 5/14/2008

Eric K Niedrauer, IA 2783808

Printed by EBis 3 (datcomedia.com)

Work Order: 3248-04-2008

Canadian Aero Manufacturing Batch # 07-202
Qty-1- CAM539800M128 Starter Adapter Spring
RETAIN this batch # as part of your records f
traceability. Refer to PDA #PDA01-11 for eligi

Starter Adapter spring service life is highly dependant on condition of the friction collet. A knurled or out of round coli not work and must be replaced; If the friction collet is worn than .005" over new size, use a spring that is manufactured bigger on the outside. Ie "P40D". Always service the Sta. motor when repairing/overhauling the Starter adap

State and Address:

COOLER SERVICE, I

La Verne, CA 9

Description:

DATE: 5/14
AC TSN
ENG TIT
HOBS: 6

OIL COOLER

Block Number

airworthiness

the work sp

USA Acceptance

the the the

ATIONS
NUMBER OF
IC ENTRIES.)

DATE 10/3/2008
A/C TSN 10246
ENG TT 10246
HOBBS 686.6

Magnum Aviation

13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102



ENGINE MODEL
10-360-GB
ENGINE S/N 309389
G NO N231U
JRK ORDER
11-09-2008

Engine Entries
Drained oil and refilled with 7 qys Shell 15w50. Repaced CH48108-1 oil filter, inspection of old filter found no abnormal particles.
(2) Secured #2 EGT probe... (3) Installed new induction air filter. Must be replaced by 1186.6 hobs.

SIGNED:

Eric K Niedrauer, A&P: 2783808

Work Order: 3391-09-2008

Printed by EBis 3 (datcomedia.com)

ATE 10/3/2008

DATE 2/3/2009
A/C TSN 1038
ENG TT 1038
HOBBS 700

Magnum Aviation

13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102



ENGINE MODEL
10-360-GB
ENGINE S/N 309389
EG NO N231U
JRK ORDER
11-10-2008

Engine Entries

Inspected IAW FAR 43 Appendix D checklist. Compressions: #1 72 #2 72 #3 76 #4 64 #5 74 #6 64/80. Drained oil and refilled with 7 qys Shell 15w50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and replaced spark plugs... (11) Replaced adel clamp on wastegate shield... (12) Installed new oil cooler from Canadian Aero Manufacturing p/n CAM646880... (14) Reinstalled fuel pump, throttle body and flow divider after overhaul by Western Skyways on NO 24280. Adjusted fuel system IAW Continental SID97-3E... (15) Replaced mixture control rod end.

certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition

SIGNED:

Eric K Niedrauer, IA: 2783808

Work Order: 3411-10-2008

Printed by EBis 3 (datcomedia.com)

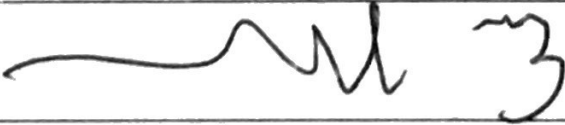
ATE 2/3/2009

DATE 19

ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
3510-04-2009

Engine Entries

(1) Drained oil and refilled with 7 qts Shell 15W50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles.
Took oil sample for analysis. Lubricated mixture control.

DATE: 4/17/2009
SIGNED: 

Eric K Niedrauer, A&P, 2783808

Work Order: 3510-04-2009
Printed by EBis 3 (datcomedia.com)



Magnum Aviation
13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102

DATE 4/17/2009
A/C TSN 1055 1
ENG TT 1055 1
HOBBS 717 1

5
ER OF
TRIES.)

ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
3663-11-2009

Engine Entries

(1) Drained oil and refilled with 7 qts Exxon 20W50 Elite. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Washed engine. Tightened air filter hold down bolts.

DATE: 11/2/2009
SIGNED: 

Eric K Niedrauer, A&P, 2783808

Work Order: 3663-11-2009
Printed by EBis 3 (datcomedia.com)



Magnum Aviation
13025 Murphy Ave
San Martin, CA 95046
Phone: 408-683-4102

DATE 11/2/2009
A/C TSN 1089 4
ENG TT 1089 4
HOBBS 751 4

ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
3712-01-2010



Magnum Aviation
13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102

DATE: 3/13/2010

SIGNED:

I certify that this ENGINE has been inspected in accordance with an FAA inspection and was determined to be in airworthy condition.

(2) Inspected IAW FAR 43 Appendix D checklist. Compressions: #1 76 #2 73 #3 70 #4 58 #5 69 #6 62/80. Drained oil and refilled with 8 qts Exxon 20w50 mineral oil. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. (13) Removed #4 and #6 cylinders for low compression. Installed cylinders overhauled by Eagle engines on WO 11866 with new pistons and rings. Installed with Real Gaskets RG-360PRT-1 pushrod seal kits. Washed engine, leak check OK. (14) Installed new turbo clamps at inlet and outlet of turbo.

Engine Entries

3/20	762.6	Installed #2, #4, #6 exhaust risers after repair.	by Aerospace Welding on WO 48031.	2783808
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ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
3950-02-2011



Magnum Aviation
13025 Murphy Ave
San Martin, CA 95046
Phone 408-683-4102

DATE: 6/10/2011

SIGNED:

I certify that this ENGINE has been inspected in accordance with an FAA inspection and was determined to be in airworthy condition.

(2) Inspected IAW FAR 43 Appendix D checklist. Compressions: #1 79 #2 78 #3 72 #4 77 #5 77 #6 79/80. Drained oil and refilled with 7 qts Exxon 20W50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Washed engine. (6) Removed and reinstalled starter adapter after repair by Matttuck Services on WO 1111. Replaced #2 oil cooler rocker cover gasket. (15) Removed and reinstalled flow divider after repair by Western Skyways on WO 27841. Cleaned injectors and adjusted high end fuel pressure IAW SID 97-3E.

Engine Entries

DATE: 6/10/2011
A/C TSN: 11547
ENG TT: 11547
HOBBS: 816.7

ENGINE MODEL: 360-GB
ENGINE S/N: 309389
REG. NO. N231U
WORK ORDER:
4229-02-2012



Magnum Aviation
13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 4/3/2012
A/C TSN: 1211.7
ENG. TT: 1211.7
HOBBS: 873.7

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ABER OF
ENTRIES.)

Engine Entries

(2) Inspected IAW FAR 43 Appendix D checklist. Compressions: #1 79 #2 76 #3 77 #4 76 #5 37 #6 74/80. Drained oil and refilled with 7 qts Exxon 20W50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Washed engine. run up leak check OK.... (6) Removed #5 cylinder and installed overhauled assembly from Gibson on WO 99013.... (14) Removed existing turbo oil scavenge lines and installed updated lines per current parts list.... (20) Removed throttle to flow divider tube and replaced with JPI fuel flow transducer K=29.26. See Form 337 and updated W&B this date.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

DATE: 4/3/2012

SIGNED:

Eric K Niedrauer, IA: 2783808

Work Order: 4229-02-2012

Printed by EBIS 3 (datcommedia.com)

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16-2826

RECORDED

ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER:
4326-07-2012

Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE 8/16/2012
A/C TSN 12418
ENG TT 12418
HOBBS 903.8

Engine Entries

(1) Replaced tach drive seal.... (2) Drained oil and refilled with 8 qts Shell 100 mineral oil. Replaced CH48108-1 oil filter, inspection of fold filter found no abnormal particles.... (3) Removed #1 and #3 cylinders and installed cylinders overhauled by Gibson Aviation on WO 99859. Washed engine. Leak check OK. Break in runs and test flight OK.

DATE: 8/16/2012

SIGNED:

Eric K Niedrauer, A&P: 2783808

Work Order: 4326-07-2012

Printed by EBis 3 (datacomedia.com)

ENGINE MODEL
TSIO-360-GB
ENGINE S/N 309389
REG NO N231U
WORK ORDER
4364-09-2012

Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 9/26/2012
A/C TSN: 12577
ENG TT. 1257.7
HOBBS. 919.7

Engine Entries

(1) Drained oil and refilled with 7 qts Exxon 20w50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Washed engine. Run up leak check OK.

DATE: 9/26/2012

SIGNED:

Eric K Niedrauer, A&P: 2783808

Work Order: 4364-09-2012

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL

TSIO-360-GB

ENGINE S/N: 309389

REG NO N231U

WORK ORDER:

4455-03-2013

Magnum Aviation

13025 Murphy Ave.

San Martin, CA 95046

Phone: 408-683-4102

DATE: 4/3/2013

A/C TSN: 1292.7

ENG TT: 1292.7

HOBBS: 954.7

Engine Entries

(2) Inspected IAW FAR 43 Appendix D checklist. Compressions: #1 77 #2 73 #3 75 #4 74 #5 73 #6 76/80. Drained oil and refilled with 8 qts 100 mineral. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Washed engine. Run up leak check OK.... (8) Removed #2 cylinder and installed overhauled cylinder from Gibson on WO G051711-16 using new rings, piston and gaskets. Break in IAW Gibson instructions.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

DATE: 4/3/2013

SIGNED:

Eric K Niedrauer, IA: 2783808

Work Order: 4455-03-2013

Printed by EBis 3 (datcomedia.com)

25	876.5			Drained oil and refilled with 8 qts Exxon 20W50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Run up leak check OK. Eric K Niedrauer AIP 2783808
11/18	1007.9	1345.9		Drained oil and refilled with 8 qts Exxon 20W50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Removed Bendix STLN-25 magnetos and ignition harness, installed Slick 6324 magnetos and new ignition harness. See new WGB this date. Ground & flight tests normal. Eric K Niedrauer AIP 2783808

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This certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

En 

Eric Niedrauer A&P 2783808 IA

[illegible]

4/29/2016 N231U
Hobbs: 1106.2 TT

Inspected IAW Part 43 Ap
refilled with 8 qts Exxon 2
Cleaned, gapped and rotat

This certify that this ENG
in airworthy condition.

Em MW

8/3/16 1125.2

8/18/16 1127.5

1. Approving Civil Aviation Authority / Country : FAA / UNITED STATES		2 AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3 Form Tracking Number: AA 10AJ3-0000	
4. Organization / Name and Address Aero Accessories, Inc. 1240 Springwood Church Road, Gibsonville, NC...				5. Work Order / Contract / Invoice Number: 10AJ3-0000		
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number:	11. Status / Work	
1	Dry Air Pump	AA3215CC	1	0AJ312	OVERHAUL	
12. Remarks OVERHAUL IN ACCORDANCE WITH THE FOLLOWING FAA APPROVED PROCESS(ES): 203-6-1009 Rev. B CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND IN RESPECT TO THAT WORK THE PRODUCT/ARTICLE IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NUMBER EASA.145.5682						
			14a. ☒ 14 CFR 43.9 Return To Service ☒ Other Regulation Specified in Block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
			14b. Authorized Signature <i>Mitchell Murphy</i>		14c. Approval/Certificate No: YV4R688M	
			14d. Name (Typed or Printed) Mitch Murphy		14e. Date (dd/mmm/yyyy) 01/ Mar/ 2016	
User / Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.						

FAA FORM 8130-3 (2-14)

NSN 0052-00-012-9005

Run up leak check OK.

Em MW

AAP 2783808

DATE 4/20/17
RECORDING TACH TIME

4/04/2017 N231U Continental TSIO360-GB S/N 309389
Hobbs: 1157.8 TTE: 1495.8

Inspected IAW Part 43 Appendix D checklist. Compressions: #1 74 #2 75 #3 70 #4 66 #5 72 #6 75/80. Drained oil and refilled with 8 qts Exxon 20W50. Replaced AA48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Retimed both mags to 20BTDC.

This certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



Eric Niedrauer A&P 2783808 IA

4/22/17 1192.4

Drained oil and refilled with 8 qts Exxon 20W50.
Replaced AA48108-2 filter, inspection of old filter found no abnormal particles. Run up look check OK.
EAP 2783808

4/20/2018 N231U Continental TSIO360-GB S/N 309389

Hobbs: 1216.4 TTE: 1554.4

Inspected IAW Part 43 Appendix D checklist. Compressions: #1 72 #2 72 #3 68 #4 70 #5 65 #6 74/80. Drained oil and refilled with 8 qts Exxon 20W50. Replaced AA48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Removed several rocker covers, cleaned gaskets and reinstalled.

This certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



Eric Niedrauer A&P 2783808 IA

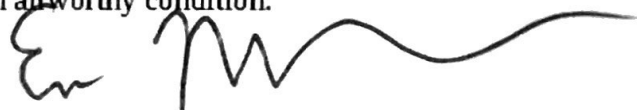
DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2018				
9/14	1252.9			Drained oil and refilled with 8 qts Exxon 20w50.
				Replaced AA48108-2 filter, inspection of old filter
				found no abnormal particles. Run up leak check OK.
				En  A&P 2783808

4/14/2019 N231U Continental TSIO360-GB S/N 309389

Hobbs: 1266.9 TTE: 1604.9

Inspected IAW Part 43 Appendix D checklist. Compressions: #1 72 #2 73 #3 68 #4 73 #5 72 #6 74/80. Drained oil and refilled with 8 qts Exxon 20w50. Replaced AA48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Sealed several holes in rear baffle. Repaired front induction duct bracket.

This certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

En 

Eric Niedrauer A&P 2783808 IA

10/15/19	1294.2			Drained oil and refilled with 8 qts Exxon 20w50
				Replaced AA48108-2 oil filter, inspection of old filter
				found no abnormal particles. Run up leak check OK.
				En  A&P 2783808

6/13/2020 N231U Continental TSIO360-GB S/N 309389
Hobbs: 1304.4 TTE: 1649.4

Inspected IAW Part 43 Appendix D checklist. Compressions: #1 77 #2 76 #3 72 #4 70 #5 64 #6 74/80. Drained oil and refilled with 8 qts Exxon 20w50. Replaced AA48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Replaced several injector line clips 652436-1. Ground run ops leak and ops check normal

This certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



Eric Niedrauer A&P 2783808 IA

3/24/2021 N231U Continental TSIO360-GB S/N 309389
Hobbs: 1337.4 TTE: 1682.8

Inspected IAW Part 43 Appendix D checklist. Compressions: #1 69 #2 77 #3 60 #4 65 #5 63 #6 67/80. Drained oil and refilled with 8 qts Phillips 20w50 and 1 can Avblend. Replaced AA48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Removed fuel flow transducer and installed Continental 641084 tube. Replaced wastegate heat shield clamp. Removed #2 cylinder, installed used serviceable intake guide and new seal 646678, reinstalled and torqued per M-0. Ground run ops leak and ops check normal

This certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



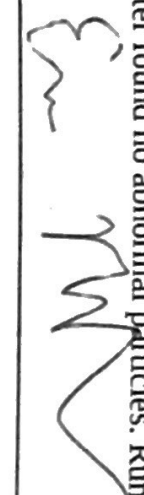
Eric Niedrauer A&P 2783808 IA

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NUMBER C
ENTRIES

DATE	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.)
19__				

12/30/2021 N231U Continental TSIO360-GB S/N 309389
Hobbs: 1362.4

Drained oil and refilled with 8 qts Phillips 20w50 and one can Avblend. Replaced AA48108-2 oil filter, inspection of old filter found no abnormal particles. Run up leak check OK.



Eric Niedrauer A&P 2783808

5/19/2022 N231U Continental TSIO360-GB S/N 309389
Hobbs: 1368.3 TTE: 1713.5

Inspected IAW Part 43 Appendix D checklist. Compressions: #1 72 #2 75 #3 60 #4 69 #5 70 #6 79/80. Drained oil and refilled with 8 qts Phillips 20w50 and 1 can Avblend. Replaced AA48108-1 oil filter, inspection of old filter found no abnormal particles. Cleaned, gapped and rotated spark plugs. Repaired left fuel line support forward end with aluminum and rivets. Repaired induction air box between air filter and turbo by welding. Ground run ops leak and ops check normal

This certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



Eric Niedrauer A&P 2783808 IA