T-41

The Standard

ENGINE LOG

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER CONTINENTAL MODEL IO360D

SERIAL 62363-70-DR TYPE CERTIFICATE

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT Cessna R172E [redacted] TM1-B 67 IS-188 R172-0077 0189

MINIMUM OCTANE FUEL 100 OIL GRADE SUMMER WINTER

MAGNETO TIME POINT SETTING FIRING ORDER

SPARK PLUG GAP

MFG. RECOMMENDED OVERHAUL AT HOURS.

[redacted]

The Standard

ENGINE LOG

REGISTERED OWNER RECORD

NAME (USGOV) FT. EUSTIS FLYING CLUB ADDRESS [redacted]
CITY FT. EUSTIS STATE VA. 23604 FROM _____ TO _____

NAME TOM ALLARDICE ADDRESS [redacted]
CITY NEWPORT NEWS STATE VA FROM 8-10-80 TO 8-11-86

NAME DELMAR R AYLOR ADDRESS [redacted]
CITY THE PLAINS, VA. STATE VA 22171 FROM 8-11-86 TO 6-15-2004

NAME FLETCHER M. POOL ADDRESS [redacted]
CITY ORDWAY STATE CO FROM 6-15-2004 TO 11-19-2014

NAME BRUCE & CARL CLAREMONT ADDRESS [redacted]
CITY FLORENCE STATE CO FROM 11-19-2014 TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NOTES

This engine was overhauled except for the crankshaft, using all Cessna and FAA approved parts. A 100 hour inspection was made & signed off by AP Raytheon [redacted] A&P on 12-07-2011 at tach time of 04.1 hours.

DATE 2011 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.)

Continental IO-360D s/n 62363-70-DR TSMO 792.0 tach 04.1 12-07-11

C/W 100 hr. inspection per FAR 43 app. D. I certify this engine has been inspected IAW a 100 hr. inspection and was determined to be in airworthy condition.

[redacted]

Ray Lewis A&P [redacted]

AD Compliance Continental IO-360D

81-16-05	slick magnetos	NA
88-03-06	oil filter	NA
91-19-03	oil filter	NA
92-04-09	rocker shaft hold down	NA
93-10-02	missing cyl valve retainers	NA
97-26-17	crankshaft replacement - due at overhaul or disassembly	
00-23-11	crankshaft inspection	NA
02-13-04	magneto stop pins, slick	NA
10-11-04	hydraulic lifters	NA

[redacted]

[redacted]

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.)
4-9-12		N15188		tach 4.3 hobbs 5.0 C/W condition inspection. Replaced fuel return line on engine driven fuel pump and flow divider supply line. Ops and leak ck. normal at this time. I certify this engine has been inspected on 4-9-12 IAW the manufacturers maintenance and inspection procedures, and was found to be in safe condition for operation. [redacted] Ray Lewis A&P [redacted]
7/26/2012	4.9	.8	4.9	Flight test showed low oil pressure @ normal oil temp. at idle & taxi. [redacted], Builder [redacted]
8/1/2012	4.9	0	4.9	Cleaned oil pressure regulator. Removed chip, Reinstalled with 2nd added washer. Tested. still too low. Ordered new # 627458 spring & gaskets [redacted], Builder [redacted]
8/10/2012	5.0	.1	5.0	Install new oil pressure regulator spring (627458) & new copper gasket (MS35769-18). Taxied to reach normal oil temp. Pressure varied from Max down to 40psi at hot idle [redacted], builder [redacted]
10/9/2012	6.5	1.4	6.5	Checked for oil pressure @ Normal temp & idle. OK [redacted]

DATE 2012 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.)
10/10/2012	10.4	3.9	10.4	Rechecks oil pressure by flying & testing Constant Speed prop controls. All Ok [redacted]
				Builder [redacted]
10/9/13	12.2			C/W a 100 Hr INSpection as per far 43 App. (D) + Con't
210-	10-360.—	Comp. ck #1 79/80 #2 79/80 #3 80/80 #4 80/80 #5 80/80 #6 79/80		
INSp. Exhaust system.		pry Runup Normal — I Certify that this Engine		
has been INspected IAW		an Annual INspection and was determined to be in		
Airworthy Condition [redacted] IA [redacted] FAR 3-15				
12-5-14	17.3	-0-	795.2	SENCE MAJOR, COMPRESSION CHECK
				① 72 ⑥ 76 ③ 76 ② 70 ⑤ 76 ④ 76
	"I CERTIFY THAT			THIS ENGINE HAS BEEN INSPECTED ON DEC 5-2014
	IN ACCORDANCE WITH SCOPE AND DETAIL OF 14 CFR PART 43,			
	APPENDIX D, AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION"			
				[redacted]
5/24/15	24.1			Add 1 qt 100W 0-1
6/11/15	27.2			" 1 qt " "
2/4/15	33.6			" 1 qt " "

DATE 2015	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.)
7/30	41.5			Add 2 qts Oil 100W [redacted]
8/8	42.8			" 1 qt Oil 100W
8/15	49.5			Oil Change 20W50 9 qts. Compression Check 1: 80/80; 2: 74/80;
—				3: 78/80; 4: 80/80; 5: 80/80; 6: 79/80. Plugs Cleaned & Gapped
—				& rotated and Chn checked. Air filter checked. Intake Boots
—	[redacted]			cleaned. Spin-on Oil filter adapter installed; C65C,
—				STC SE8489SW. Tempest AA48108-2 oil filter installed.
9/25	54.9			Add 1 qt 20W50 [redacted]
10/15	62.2			Add 1 qt 20W50
11/25	64.6			" " " "
12/24	71.4			" 2 qts "
1/30/16	78.3			" " " "
2/25/16	81.9	[redacted]		Voltage regulator and over voltage relay replaced with Plane
				Power R1224 regulator.

DATE 2016	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.)
				STEEL CITY AVIATION **Pueblo Memorial Airport** [redacted] **Pueblo CO 81001**
				N15188 DATE: 1 Mar 2016 TACH: 81.9 TSMOH: 795.2 Performed compression check #1-77, #2-74, #3-76, #4-76, #5-73, #6-75, all over 80. Adjusted right mag timing. Replaced cabin heat scat hose. Secured starter housing mount screws. I certify that this engine has been inspected in accordance with the scope and detail of 14 CFR part 43, Appendix D and is found to be in a condition for safe operation. Don Brosh [redacted] A&P [redacted]
5/27	90.5	[redacted]		Add 1Qt 20W50 Lic #: [redacted]
6/9	93.9			" " " "
7/4	99.3			" " " "
7/10	103.0			Fuel flow line between spider & baffling Replaced
7/12	103.0			Detective Odyssey PC545 12V Battery Replaced
9/17	109.9			Add 1 qt 20W50
9/25	114.8			" " " "
11/6	119.3			" " " "
11/13	123.0			Oil & Filter Change: 20W-50 - 8 qts, Fltr: Tempest AA48108-2
—	—	—	—	Cleaned air filter

DATE 19 16	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.)

STEEL CITY AVIATION

Pueblo Memorial Airport
[redacted] Pueblo CO 81001

Nov 16, 2016

N15188 DATE: ~~1 Mar 2016~~ TACH: 123.0 TSMOH: 836.6

Performed compression check #1-74, #2-74, #3-78, #4-76, #5-77, #6-75, all over 80. Cleaned fuel injectors. I certify that this engine has been inspected in accordance with the scope and detail of 14 CFR part 43, Appendix D and is found to be in a condition for safe operation.

Don Brosh [redacted] A&P [redacted]

1/19	123.3	[redacted]		Add 1 Qt 20W50	Right mag coupler failure. Damage to cam gear & mag gears.
10/13	136.9	"	"	" " " "	
1/28/17	136.6	"	"	" " " "	
4/23/17	143.6	"	"	" " " "	
8/1/2017	147.8	"	"	Replaced Cam gear (632477), both magneto gears (630525), new right mag coupler (53178), new mag bushings for both mags (638172), new alternator bushings (632050), new oil pan, accessory case, and accessory gaskets. Reset mags & timing. Oil & Filter (AA48188-2) change, 9 qts 20W-50	
7/9/2017	150.6	"	"	Replace oil & filter: AA48188-2. Check for metal. None Found. Added 2 Qts 20W-50.	

DATE 2017	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.)
7/22	153.9	[redacted]		Add 1 qt 20W-50
8/10	157.6			" 2 " " "
8/	158.0	"		Inspected Engine. Everything okay.
8/20	170.8	"		Add 2 qts 20W-50
8/22	176.0	"		" 1 qt "
9/1	180.8	"		Replaced MAP line between manifold & bulkhead.
9/9	187.8	"		Add 1 qt 20W50
9/28	196.8	"		20oz Naval Mystery Oil in fuel. 1 qt 20W50.
10/19	199.0	"	"	Tighten stat screws on top of fuel spider.

STEEL CITY AVIATION

Pueblo Memorial Airport
[redacted] Pueblo CO 81001

Nov. 8, 2017

N15188 DATE: ~~1 Mar 2016~~ TACH: 199.4 TSMOH: 912.7

Performed compression check #1-78, #2-76, #3-77, #4-78, #5-76, #6-78, all over 80. I certify that this engine has been inspected in accordance with the scope and detail of 14 CFR part 43, Appendix D and is found to be in a condition for safe operation.

Don Brosh [redacted] A&P [redacted]

11/8/2017	199.4	"		Replaced 1/8" copper fuel lines. New diaphragm (626536) in Fuel Manifold Valve. Plugs inspected and rotated.

DATE 2018	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.)
1/8	205.6	[redacted]	[redacted]	Add 1 qt 20W50
1/22	207.3	"	"	" " " "
3/3	214.5	"	"	" " " "
4/21	224.8	"	"	Oil (20W50) & Filter change. 10 qts, AA48108-2 Tempest
6/2	233.8	"	"	Add 1 qt 20W50
6/23	241.3	"	"	" " " "
7/22	-7/28	[redacted]	[redacted]	2 qts 20W50 added during Oshkosh trip
8/2	247.1	[redacted]	[redacted]	1 qt 20W50 Added
8/4	247.7	[redacted]	[redacted]	Rotated right tire
8/24	272.7	"	"	1 qt 20W50 added
10/1	276.5	"	"	" " " "
10/14	288.3	"	"	Compressions: 80; 74, 78, 74, 78, ~~80~~ 80. Oil & Filter Chg: 10 qts 20W50, Tempest AA48108-2. Plugs cleaned, gapped,
				rotated. Injectors cleaned. All valve cover gaskets
				replaced: RG-632310. All pushrod tube seals replaced:
2019				RG-360PRT-6
01/19	295.1	"	"	Add 1 qt 20W-50
2/24	299.3			" " " " "

DATE 20M 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.)

STEEL CITY AVIATION

Fremont County Airport
[redacted] Penrose CO 81240

N15188 DATE: 14 OCT 2019 TACH: 288.3 TSMOH: 1001.6
I certify that this engine has been inspected in accordance with the scope and detail of 14 CFR part 43, Appendix D and is found to be in a condition for safe operation.
Don Brosh [redacted] A&[redacted]

~~5~~ 6/21	307.8	[redacted]		Add 1 qt 20W-50
7/6	314.8	"	"	" " " "
7/24	317.8	"	"	" " " "
8/16	321.7	"	"	" " " "
9/8	324.1	"	"	" " " "
9/25	333.7	"	"	" " " "
10/24	334.5	"	"	Oil Cooler gasket replaced: Continental EA 654117. Oil dip
–	stick bracket installed.			Valve Cover gaskets replaced: 2 x on #4; Rear on #2.
–	Hot compression test:			76, 77, 78, 76, 78, 77. Air filter checked. Gascolator cleaned.
–	~~Plugs checked~~			Corrosion inside right wing aileron access panel (Copter panel)
–	#3 & #6 injectors			cleaned.

DATE 2019	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.)
11/18	334.5	[redacted]		Oil & filter chg: 10 qts 20W50, AA48108-2 New oil
–	cooler	(8000	943)	and gasket (08-11324). Mags checked
4/4/20	344.1	"	"	Add 1 qt 20W50
4/27/20	347.7	"	"	" " " "
6/6/20	355.7	"	"	" " " "
7/30/20	364.2			" " " "
8/21/20	371.3	"	"	" " " "
9/24/20	373.4	"	"	" " " "
10/10/20	379.2	"	"	" " " "
11/22/20	389.2	"	"	" " " "

N15188 DATE: 2 DEC 2020 TACH: 391.2

Performed condition inspection IAW FAR 43 Appendix D. Compressions: #1-75, #2-74, #3-74, #3-74, #4-74, #5-74 and #6-73, all over 80. Checked magneto timing, checks ok. I certify that this engine has been inspected IAW an annual condition inspection and was determined to be in a condition for safe operation at this time.

Don Brosh [redacted] A&P [redacted]

12/2/20	391.2	[redacted]		Exhaust leak #3, Tightened manifold nuts. Injectors
–	cleaned	Replace on nozzle	with new	Continental 632147-10K. Plugs cleaned, gapped, rotated. Oil & filter change: 10 qts 20W50; Tempest AA48108-2.

DATE 2021	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.)
12/13/21	395.3	[redacted]		Add 1 qt 20W50
1/2/22	399.6			" " " "
1/12/21	402.4	"	"	Repacked nose wheel bearings. Topped up sliding dagger
2/6/21	408.0	"	"	Add 1 qt 20W50
3/15/21	417.8	"	"	" " "
4/15/21	428.1	"	"	" " "
6/5/21	442.4	"	"	" " "
6/F/21	448.1	"	"	Oil & Filter Chg. 10 qts 20W50, Tempest AA48108-2
7/10/21	453.9	"	"	Add 1 qt 20W50
9/7/21	459.8	"	"	" " " "
10/17/21	465.8	"	"	" " " "
12/11/21	474.0	"	"	" " " "
12/18/21	479.0	"	"	" " " "
2/17/22	496.1	"	"	" " " "
2/21/22	505.0	"	"	Oil & Filter chg: 9 qts 20W50, Tempest AA48108-2
				Replaced Fiber gasket on oil filter adapter
				with copper AN900-28 gasket
3/6/22	509.6	"	"	Add 1 qt 20W50

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.)
7/5	[redacted]		520.0	Add 1qt 20W50
10/18/22	"	"	534.0	" " " "
11/9/22	"	"	539	" " " "
	Hobbs	[redacted]		
1/5/23	622.9			Oil & Filter Chg: 10qts 20W50, Tempest AA48108-2
—	Spark plugs cleaned gapped rotated. Valves inspected, Leak down tests: 1:76, 2:76, 3:76, 4:68, 5:75, 6:78, 16oz Camguard added to oil.			
1/31/23	625.9	"	"	Add 1qt 20W50. Replaced fuel manifold diaphragm #[redacted]

Don Brosh
Fremont County Airport
Penrose, CO 81240

N15188 DATE: 6 JAN 2023 TACH: 622.9 Hobbs

Performed condition inspection IAW FAR 43 Appendix D. Compressions: #1-76, #2-76, #3-76, #4-68, #5-75 and #6-78, all over 80. Performed borescope inspection, no defects noted. I certify that this engine has been inspected IAW an annual condition inspection and was determined to be in a condition for safe operation at this time.

Don Brosh [redacted] A&P [redacted]

Hobbs

DATE 2023 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.)
2/13	~~[illegible]~~ 639.4	[redacted]		Add 1 qt 80W50
4/17	659.7	[redacted]		Checked oil filter & oil screen for metal as a result
—				of cylinder scoring in prop. No metal found.
—				New Tempest AA48108-2 oil filter installed.
—				Added 2 Qts 20W50.