

For to H. Remers, NTSR, [REDACTED]

N 35 46 L

AIR - TEC INC

[REDACTED]
ORLANDO, FL 32805

DICK WATERS

TO: GARY LOUCKS.
0-320 1604p

ASA-SE-1

[REDACTED]

ENGINE RECORD - GENERAL INFORMATION

O-320 D Series 160hp

MANUFACTURER

LYCOMING

MODEL

SERIAL

L-43683-27A / O-320-X

TYPE CERTIFICATE

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT

GLWAIR 5H-2

MINIMUM OCTANE FUEL

OIL GRADE SUMMER

WINTER

MAGNETO TIME

25° BTC

POINT SETTING

FIRING ORDER

SPARK PLUG GAP

MFG. RECOMMENDED OVERHAUL AT

2000

HOURS.

AIR-TEC INC.

The Standard



ENGINE LOG

NOTES

①

No

Flywheel

OR

Crank. [REDACTED]

Engine From Factory:

O-320 E series

150hp

Timing: 25° BTC

S/N L-43683-27A

Shipped from factory 10/24/1975

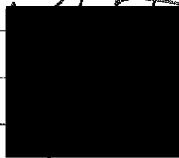
Engine Since Modified by Dick Waters/Air Tech:

O-320 D series

160hp

Timing: 25° BTC

S/N O-320-X

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__				This Engine Ser # <u>L-43683-27A</u> is Unconditionally Guaranteed for 6 mo's after date of run-in in your Aircraft. R. Waters 

Nov

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
93				
19				
				Below listed items replaced in this engine 0320, 160hp
				4 EA 75089 Pistons - w/ full set rings, STD.
				4 EA FRESH RINGS, d.s. SEA EX STUDS, 4 EA 1/2 EX
				VALVES, 4 EA EX GUIDES.
				Full set main bearings + rod bearings
				CRANK REGRIND & SEA LIFTERS BODIES. INLET & OUTLET
				VALVE PRING, VALVE KEYS & CRANK
				SEA LIFTERS, 2 EA BENCH MOPS, 3/16
				1 HANDED 2 SPARK PLUGS. & AD Note
				ON CRANK SEAT
				ENGINE READY TO RUN-IN

TSM/H						
DATE 19 <u>94</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.)		
9-8			3 MIN	RUN ENGINE FIRST TIME 1500 RPM Til 300 C.H.T let Cool		
9-9			3 "	RUN ENGINE 1500-1700-325° - Cool DOWN		
9-9			4 "	1500-1800--350° - Cool Down		
9-10			5 "	1500-2000 - 350 - Cool DOWN		
9-12			5 MIN	Cowling INSTALLED 1500 350 Cool DOWN		
9-14			5 "	"	"	" " "
9-18			6 "	"	"	1700 350 " "
9-22			5 "	"	"	" " "
9-26			5 MIN	"	"	" " "
		Total	41 MIN			

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16 OCT	145	SMCH - 145		ANNUAL / CONDITION INSPECTION COMPLETED TAN FARE. COMPRESSION 1/72 2/75 3/79 4/79. CHANGE OIL, CHECK SCREENS. CHECK ALL FUEL SCREENS. CHECK MAGNETO TIMING. CHECK COUNTRY + LUBE. REPAIR EXHAUST SYSTEM #1 FLANGE. RUN UP + CHECK FOR PERFORMANCE + LEAKS. THIS ENGINE WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. [REDACTED] IA

[illegible]

These are engine records inclusive
during our ownership from
2010 → 8-12-17 last
entry before accident on 7-11-18

OF IES.)	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.)
✓					N352GL Registration
2					02/02/2011 Date
6					193.4 Tach Time
2.15					CARTER AERO WORKS  OLD TOWN, MAINE
6.07					ENGINE LOG [Redacted]
4.11.10					Glasair SH-2 Make/Model
1.3					305 SN
1.9					ACTT
					Changed oil and filter - Phillips X/C 20W-50
					Installed Curtis quick drain.
					Installed Electronics International EGT and CHT probes.
					Wrapped lower exhaust pipes with Thermo-Tec insulation exhaust wrap.
					[Redacted Signature] [Redacted Certificate Number and Type] A+P
					Signature Certificate Number and Type

PAGE NO. OF PAGES.)	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.)
				N352GL	Engine Log
	3/25/13				Tach 324.4
	Engine experienced a propeller strike during a landing incident. Crankshaft flange dials .001 or less. According to FAA Advisory Circular AC 39-7D, 9b prop strike inspection AD 2004-10-14 is not mandatory on a non type certificated (experimental) engine. Although recommended, I have elected not to have the inspection performed and accept all future responsibility related to non-compliance of this Airworthiness Directive.				
	[Redacted Signature] [Redacted Box]				
	Mark Weatherbee (Owner) Pilot's License # _____				

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19__				ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
			N352GL	Engine Log
			3/25/13	Tach 324.4
				Changed oil and filter. Serviced with 8 qts 20-50 Phillips and CH48110-1 filter.
				Compression in all (4) cylinders 72/80 or better. Removed and disassembled carburetor. Cleaned, set float level and re-assembled IAW Marvel/Shebler Overhaul Manual. Run up and leak check ok.
				I certify this engine has been inspected IAW the scope and detail of FAR 43, App D, and was determined to be in a condition for safe operation.
			[Redacted]	A&P [Redacted]
			Keith Strange	

4-1
3-10
3/6

OF ES.)	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__				
	4-12-13	350.5			Oil change + new filter, Tempest 48110-2 8 qts, Aeroshell 15W50, sample sent to CTC [REDACTED], owner
	3-16-14	411.1			Oil change + new filter, Tempest 48110-2 8 qts. Aeroshell 15W50, oil sample sent [REDACTED], owner
	3/25/14	411.1			I certify this engine has been inspected IAW the scope + detail of FAR 43, App D and was determined to be in a condition for safe operation. Refer to engine inspection report in a volume log for details [REDACTED] [REDACTED]

DATE 19__ 10 11

OF IES.)	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__				
	9/12/15		Tach	509.0	Changed oil & filter. Serviced with 8 qts Phillips 20-50 & C and CH 45/110-2 filter. Run-up & leak check ok. [Redacted Signature]
43					
	10/31/15		Tach	550.0	Changed oil and filter. Serviced with 8 qts Phillips & C 20-50 and CH 45/110-2 filter. Run-up & leak check ok. [Redacted Signature]
	11/6/16		Tach	570.1	Changed oil. Serviced with 8 qts Phillips & C 20-50. Run-up & leak check ok. [Redacted Signature]

OF
S.)

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.)
8/12/17	Tach			609.07. Changed oil and filter. Serviced with 7 qts Phillips 20-50 +C and CK4E110-2 filter. Run -up & leak check ok. I certify this engine has been inspected IAW the scope and detail of FAR 43 App. D and determined to be in a condition for safe operation. [Signature] AWP [Redacted]