

92644 2014 →

Engine and Reduction Drive Logbook



The subject aircraft was involved in an incident /
accident on 7/23/2022 rendering it a Constructive Total
Loss as not repairable within its insured value. For
further details refer to insurance claim: 9454384814US.

Signed: *Underwriters Salvage Company*

Date: **6/6/2024**

AIG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100
Atlanta, GA 30326

DATE	RECORDING TACH/ HOUR METER TIME	TOTAL TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED
3-9-19	437.16		I certify that this engine has been inspected 1/100 hour inspection/12 month condition and was determined to be in a condition for safe operation. Performed a compression check: #1 78/80 #2 79/80 #3 79/80 #4 79/80 Log Book AP 3489353
7-1-19	477.2		CHANGED OIL & FILTER (K&N 2002) ADDED 6 QUARTS OF AIRBORNE 15/50. CLEANED PLUGS CHECKED OIL SCREEN - CLEAN. CLEANED CARBURETOR

Model: Thorp T18 S/N: 733 Reg# N926WM Eng: O320A2B S/N: L-12326-27	Advantage Aviation LLC South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	Tach: 517.0
Remove both magneto and perform 500HR inspection, replace points, reinstall and time to engine.		
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.		
Date: March 6, 2020		Signature:  Scott Wilson 3142227

3-1-20	517.0	I certify that this engine has been insp. 1/100 hour inspection/12 month condition and was determined to be in a condition for safe operation. Performed a compression check: #1 78/80 #2 79/80 #3 79/80 #4 78/80. Log Book AP 3489353
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DATE	RECORDING TACH/ HOUR METER TIME	TOTAL TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED
1-19-18	363.48		I certify that this engine has been inspected IAW a 100 hour inspection / 12 month condition and was determined to be in a condition for safe operation. Coy Bagby AP3489353
2-26-18	374.72		CHANGED OIL & FILTER ~ 6 QTS 15/50 CLEANED PLOGS & GASCOATOR ? AIR FILTER
8-4-18	402.82		REPLACED STARTER W/NEW SKYTEC HI TORQUE STARTER

DATE	RECORDING TACH/ HOUR METER TIME	TOTAL TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED
9-26-18	419.25		Replaced #1 and #4 cylinders with new Lycoming cylinders Coy Bagby AP3489353
9-27-18	419.25		DRAINED OIL & FILLED W/7 QTS AEROSHELL 100 WEIGHT BREAK IN OIL CHANGED OIL FILTER
3/3/19	437.16		INSTALLED NEW MARTINI C/S PROPELLER
3/8/19	437.16		CHANGED OIL & FILTER - ADDED 7 QTS OF AEROSHELL 15/50
3/9/19	437.16		INSTALLED OVERHAULED MA4SPA CARBURATOR. OPS CHECK OK

DATE	RECORDING TACH/ HOUR METER TIME	TOTAL TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED
5/13	270.40		Changed oil & filter - added 6 QTS cleaned plugs R-15/50 Champion CH 48108-1 OR K&N 2004
12-1-16	298.5		CHANGED OIL & FILTER - ADDED 6 QTS 15/50 AEROSHELL CUT OPEN FILTER - NO METAL REMOVED & CLEANED AIR FILTER REMOVED & CLEANED GASCOATOR
12-1-16	298.5		Performed compression check: #1 79/80 #2 78/80 #3 79/80 #4 79/80 Checked Magneto to engine timing. I certify that this engine has

DATE	RECORDING TACH/ HOUR METER TIME	TOTAL TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED
12-1-16	298.5		been inspected 1/HR per a 100 hour inspection / 12 month condition and was determined to be in a condition for safe operation Larry Barger
9-16-17	345.2		CHANGED OIL & FILTER CHECK SCREEN & FILTER MEDIA AND METAL - CLEANED AIR FILTER & GASCOATOR - ADDED 6 QTS AEROSHELL 15/50, CLEANED PLUGS
1-19-18	363.48		performed a compression check: #1 79/80 #2 77/80 #3 79/80 #4 79/80 Checked Magneto timing - OK

DATE	RECORDING TACH/ HOUR METER TIME	TOTAL TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED
8-6-14	187.44		C/W a 12 month condition inspection per the scope and detail of FAR 43 appendix D. Performed a compression check: #1 79/80 #2 78/80 #3 78/80 #4 76/80. I certify that this engine has been inspected i/A/w a 12 month condition inspection and was determined to be in a condition for safe operation. Con Boyly AP3489353

DATE	RECORDING TACH/ HOUR METER TIME	TOTAL TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED
12-6-14	210.4		Replaced # 2 Cylinder with a new Lycoming cylinder assy Part # 05152143-A Con Boyly AP3489353
9-2-15	238.3		CHANGED OIL & FILTER - 7 QTs AEROSTEER 2050
11-1-15	238.3		C/W a 12 Month condition inspection per the scope and detail of FAR 43 Appendix D. Performed a compression check #1 79/80 #2 76/80 #3 79/80 #4 74/80 checked magneto tuning. I certify that this engine has been inspected i/A/w a 12 month condition inspection and was determined to be in a condition for safe operation Con Boyly AP3489353

Engine Log Data

Manufacturer: LYCOMING

Model: O-320 A2B Serial No.: L-12326-27

Displacement: _____ Oil Pressure Max: _____ Min.: _____ Oil Temp. Max: _____ Min.: _____

Weight: _____ Rated H.P.: 150 at R.P.M. 2700

Oil Grade in Summer: 15/50 Winter: 15/50 Oil Capacity: 7 QTS

Fuel Minimum Octane: _____ Firing Order: _____

Magneto Timing: 25° Magneto Point Setting: _____

Spark Plug Gap: _____

ENGINE LOG

1968-2014

ENGINE LOG

YEAR 2013		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
6	24	112.2			Installed Remote oil filter	
7	15	125.7			Installed "new" slip mag New mag gaskets & spark	
7	15	125.7			INSTALLED NEW ALTERNATOR	
8	6	144.1			Drained oil checked lower	
9	7	144.3			INSTALLED NEW LYO CYLINDER	
9	7	144.3			DRAINED ENGINE OIL	
2014						
JAN	4	171.14			DRAINED OIL - CHECK LOWER	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>	
MO.	DAY		
			rev/ 55 braided Teflon hoses
			9 harness & REM 38E plugs & tensioned to 25° ldeu gasket on impulse mag
			Screen - no metal - installed new champion oil filter & 7 quarts Quesshell 15/50 @ #3 LYO PART # 05K21423-A
			7 INSTALLED 7 QTS AERSHELL STRAIGHT WEIGHT 100 BREAK IN OIL
			SCREEN - 0" metal or carbon - CHANGED FILTER & INSTALLED 7 quarts Quesshell 15/50

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
6/5/2013		108.29		2967.09		<i>[Signature]</i>
6/10/13		108.29		2967		

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ENGINE LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>
MO.	DAY	
6/5/2013		<p>due 12 month condition inspection IAW Scope & Detail of FAR 43 App. D. & Lycoming Service Info. Performed diff. comp. test, all over 80, as follows: ① 79 ② 79 ③ 78 ④ 78.</p> <p>Performed routine servicing & maintenance. Checked mag to eng. timing. I certify this engine has been inspected IAW a 12 month condition inspection & is considered AIRWORTHY this date. END-</p> <p style="text-align: right;"><i>[Signature]</i> IA 3077150 APP</p>
		<p>DRAINED OIL - CHECKED SCREENS - NO METAL</p> <p>ADDED 7 QUARTS MEROPHIL 15/50</p>

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
2012						
5/20	12	CONT.			→	<i>[Signature]</i>
9	25	73.00				<i>[Signature]</i>

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ENGINE LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>
MO.	DAY	
		magnetos to engine. Run up ops & leak test good. I certify this engine has been inspected IAW a 100 HR / 12 month condition inspection & found airworthy this date - END -
		<i>[Signature]</i> 3077150 ADP
		DRAINED OIL, CHECKED UPPER & LOWER SCREENS - NO METAL - ADDED 6 QUARTS AEROSHIELD 15/30 REMOVED & INSPECTED PLUGS & CLEANED

ENGINE LOG

YEAR 2011		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY			ENGINE		
2	12	1242.0			TACH FAILED ON FLIGHT FROM HOUSTON TO SLC @ 1242	
6	15	5.00	—	2864.0		<i>[Signature]</i>
8	14	25.24	—	2889.24		<i>[Signature]</i>

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ENGINE LOG

YEAR 2010

MO. DAY

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.

2	12	Replaced broken Tachometer - New Tach reads 0.00 @ 40.0 HRS SMOH (1242.0) TOTAL TIME 2859 (as above)
		Changed oil - cleaned bottom & top screens added 7 quarts Penoshell 15/50
		Changed two spark plugs to new AEM 3784s
		Added new CHT & EGT probes. Installed new wrapping & oil cooler, installed new mag lead on #4 bottom plug.
8	14	Changed oil & cleaned upper & lower screens filled w/ 6 quarts Penoshell 15/50 & 1 qt ^{PT} Dabland cleaned plugs & timed mag

ENGINE LOG

YEAR 2002		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
7	16	1202			A/P I/A	W. Womped
					STD. BEARING, RINGS	
					CASE SERVICED BY AEA	
					CRANKSHAFT STD - AEA	
					RODS STD. - AEA	
					NEW ROD BELTS INSTALLED	
					NEW 1/2 VALVES EXHAUST	
					NEW INTAKE VALVES	

CHECK TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 2002		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS	
MO.	DAY	Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.	
7	16	ENGINE REBUILT TO NEW LYCOMING SPECS AS PER LYCOMING SERVICE MANUAL, STEEL PARTS MAG CHECKED, NEW BEARINGS INSTALLED ALONG WITH PISTON RINGS, AND BEARING 1/2" VALVES INSTALLED. CYLINDERS GRIND TO NEW. DISASSEMBLED, MAGS REBUILT NEW IGNITION WIRES INSTALLED. ENGINE OIL COOLER HOSES REPLACED, ALL SCOT TUBING REPLACED. FUEL HOSES REPLACED	
		Phillips 20W50 Break in oil used	

ENGINE LOG

YEAR	82	RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
1	3	826			CHANGE OIL + SCREEN	SM
4	17	858			CHANGE OIL + SCREEN	SM
10	21	903			CHANGE OIL + SCREEN	SM
1	15/83	932			CHANGE OIL + SCREEN	SM
4	22/83	965			CHANGE OIL	SM
8	29/83	988			CHANGE OIL + CLEAN SCREEN	SM
1	1/84	1013			CHANGED OIL + CLEANED SCREEN	SM
8-29-84		1030			CHANGED OIL	SM
5-4-85		1060			CHANGED OIL	SM
9-1-85		1072			CHANGED OIL	SM

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR	83	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS				
		MO.	DAY	Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.		
3	11	Replaced ignition harness on right magneto TACH 960				
1	3/85	Replaced all plugs TACH TIME 1038				
2	4/85	Carburetor overhauled TACH TIME 1041				
8	15/85	Replaced complete exhaust system. TACH 1068 Also replaced alternator with rebuilt unit.				
12	18/85	DIF. COMPRESSION CHECK #1 = 80/78, #2 = 89/77 #3 = 89/78 #4 = 90/77 TACH 1086 John Valle Repairman 408-58-6360.				
9-1-86		Changed oil, checked screens				

ENGINE LOG

YEAR 75		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
5	9	507.34			change oil & clean screen	
5	29	537.00			Changed oil & cleaned screen. Switched to address disponent	
7	27	562.52			Changed oil & cleaned screen	
11	18-75	592.13			Changed oil & cleaned screen	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 76		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS	
MO.	DAY		
		<small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>	
3	6	Changed oil & cleaned screen. Tach time 617.2	
8	23	Changed oil & cleaned screen Tach time 643.8	
4	4-77	Changed oil & cleaned screen Tach time 667.92	
7	2-77	Changed oil & cleaned screen Tach time 698.7	
9	20-77	Changed oil & cleaned screen Tach time 730.3	
4	4-78	Changed oil & cleaned screen Tach time 750.2	

ENGINE LOG

YEAR	MO.	DAY	RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
74							
	4	20	436.29			CHANGED OIL & CLEANED SCREEN	
	7	18	443.08			CHANGED SPARK PLUGS	
	9	26	465.16			CHANGE OIL & CLEANED SCREEN	

Top Overhaul Parts List

8	78290	Hydraulic plungers
4	74230	Exhaust guides
8	61261-P003	Exhaust studs
4	74541	Exhaust valve
4	74636	Rocker arms
4	MS-13998-3	Rotor caps
8	MS-13997-3	Valve keys
4	LW-10076	Spring Seat
4	LW-13323	Spring seat
8	LW11800	Valve spring

ENGINE LOG

YEAR	MO.	DAY	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
			Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
			COMPLETED TOP OVERHAUL THIS DATE. COMPLIED WITH LYCOMING SERVICE INSTRUCTION 1136 A. (1/2" EXHAUST VALVES) CONVERTED TO 160 H.P. BY INSTALLING PROPER PISTONS, PISTON PINS, AND EXHAUST VALVES. SEE ATTACHED PARTS LIST.
			2-15-75 by Ly-CON AVIATION ENGINE TACTIDE OAKLAND PONTIAC AIRPORT 482.60 PONTIAC MICH.

ENGINE LOG

YEAR	RECORDING		TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
	MO.	DAY				
73	3	6	350.62		CHANGED OIL & CLEANED SCREEN	
	7	14	375.99		CHANGED OIL & CLEANED SCREEN	
	10	15	408.11		CHANGED OIL & CLEANED SCREEN	
	10	28	411.		INSTALLED NEW CARB AIR FILTER	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR	71		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
	MO.	DAY					
10	19		230.18			CHANGED OIL & CLEANED SCREEN	
5	1		260.00			CHANGED OIL & CLEANED SCREEN.	
6	7		291.97			CHANGED OIL	
12	3		320.17			CHANGED OIL	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR	72		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
	MO.	DAY	
			Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
5	1		REPLACED INTAKE GASKET & REWORKED COLLAR ON # 3 & 4 CYL. REPLACED ALL GASKETS BOTH ENDS OF PUSH ROD SHAFTS. REPLACED ROCKER GASKETS ON ALL CYL. INSTALLED NEW PIPER TYPE PRIMER NOZZLES, FITTINGS AND TUBING. INSTALLED NEW FRONT NOSE SEAL. RAN COMPRESSION TEST ON INTAKE SYSTEM. INSTALLED NEW CARB. AIR FILTER REMOVED GENERATOR & BRACKET, REPLACED NEW DELCO ALTERNATOR & BRACKETS. INSTALLED NEW ALTERNATOR BELT.

ENGINE LOG

YEAR	MO.	DAY	RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
7		14	184.06			CHANGED OIL & CLEANED SCREEN	
8		21	194.10			REPLACED AILEX H. VALVE RETAINER KEYS & CAPS REPLACED EXH VALVE SHROUD TUBE OIL SCREW # 2 CYC. REBUILT RIGHT MAG.	

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ENGINE DATA

(THIS PAGE MUST BE FILLED OUT COMPLETELY)

MANUFACTURER LYCOMING MODEL 0-320-A^{A2B}78 SERIAL NO. L-12326-27

DISPLACEMENT 320 OIL PRESSURE _____ OIL TEMP. MAX. 245

WEIGHT _____ RATED H. P. 150 AT 2700 R.P.M.

OIL GRADE: SUMMER 50 WINTER _____ OIL CAPACITY 8.975

FUEL MINIMUM OCTANE 80 FIRING ORDER _____

MAGNETO TIMING 25° BTC MAGNETO POINT SETTING .018

SPARK PLUG _____