



Engine Model: XP-IO-361-J1HD2

Serial Number: 361A180010

Date: January 22, 2018

It is certified that this Superior XP Series engine has been manufactured, inspected, and tested in accordance with Superior's Procedures and is determined to be in a condition for safe flight.

Authorized Signature

A black rectangular box redacting the signature of the authorized person.

Title: Technical Support

QAF 018 REV C

SUPERIOR
AIR PARTS

621 South Royal Lane, Suite 100
Coppell, TX 75019
Phone: (972) 929-4600

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
4/1/18	Hobbs ACTT- 2020.5 ENG - 0.0		INSTALLED SUPERIOR XP-ID-361-J1HA, S/N 361A180010 ON HYDREMAN GLASAIR II S-25-RG, S/N 2004, IAW SUPERIOR & STODOLSKA HAMILTON GLASAIR II INSTALLATION INSTRUCTIONS. ENGINE IS A NEW O TIME ENGINE AT THIS TIME.
			[Redacted Signature]
			 N8162H XP-ID-360-J1HD2 SN 361A180010 TSN: 0.0 W/OH RR-040218 I certify this Engine has been inspected in accordance with the scope and detail of FAR Part 43, Appendix D and found to be in a condition for safe operation. Signed: [Redacted] Date: 4/24/18 Aircraft Hosted At: [Redacted] 5133 E Roadrunner Drive Mesa AZ 85215 (480)924-8750
4/25/18	Hobb's ACTT- 2022.5 ENG - 2.0		Airplane New Superior XP-ID-361 engine, New Hartzell prop test flown by Pilot William Walker Add 1 qt. Shell 100w Mineral Oil.

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
4/25/18	Tach 02.8	ACTT 2023.5 Hobbs	#2+3 cylinders running hot at full power climb (#2-440 degrees, #3-430°, #3/4-2-350-380). Added 1 qt. Shell 100W Mineral Oil.
4/27/18	Tach 05.0	ACTT 2025.9 Hobbs	5 hr. oil change. No leaks found. Sent oil sample to Lab One Inc. for analysis, reported as normal. Opened CH48108-1 oil filter, no metallic debris found in oil filter. Added 8 qts. Shell 100W Mineral Oil, installed new CH48108-1 oil filter and safety-tied in place. [REDACTED] Priv. Pilot # [REDACTED]
5/8/18	Tach 7.0	ACTT 2028.3 Hobbs	Replaced all 4 CHT probes with new P/N 100404-000 Dynon CHT probes, and all EGT probes with new Dynon P/N 100405-000 EGT probes. [REDACTED] Priv. Pilot # [REDACTED]
5/12/18	Tach 7.2	ACTT 2028.5 Hobbs	Added 1/2 quart Shell 100W Mineral Oil.

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
5/19/18	11.5	2032.2	Used 1/2 qt. oil in last 4.3 hrs. Oil + Oil Filter changed. Submitted oil sample to Lub One Inc. for analysis, reported as Normal. Opened oil filter, no metallic debris found. Installed new CH48108-1 oil filter + safety tied in place. Added 8 qts. Shell 100W Mineral Oil. Ran engine, no leaks. [REDACTED] Pot. Pilot [REDACTED]
6/18/2018	29.9	2050.6	Used 1.5 qt. oil in past 18.4 hrs. Oil + oil filter changed. Submitted oil sample to Lub One Inc. for analysis, reported as Normal. Opened oil filter, no metallic debris found. Installed new CH48108-1 oil filter + safety-tied in place. Added 7 qts. Shell 100 Mineral Oil. Ran engine, no leaks. [REDACTED] Pot. Pilot [REDACTED]

8622 Gibbs Drive
SAN DIEGO, CA 92123

Invoice

Date	Invoice #
6/8/2018	11835

Bill To
Rich, Ross GlassAir / N8162ft

P.O. No.	Terms	Project

[illegible]

Quantity	Description	Rate	Amount
	LABOR: Bore scope: Compression #1 78 #2 77/80 #3 78/80 #4 78/80. Email borescope pictures Labor charges: 2.0 hrs @ [REDACTED] SUBTOTAL: Labor / : CA Sales Tax, San Diego County <i>Reset P-Mag timing.</i> <i>Tach Time: 25.3 hrs.</i> <i>Hobbs: 2046.1 hrs.</i>		

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MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
7/3/18	40.6	2064.5	Used 1 qt. oil in past 10.7 hrs. Oil + oil filter changed. Submitted oil sample to AvLab for analysis, reported as normal. Opened oil filter, no metallic debris found. Installed new CH48108-1 oil filter + safety-tied in place. Added 7 qts. Shell 100W oil. Ran engine, no leaks. [REDACTED] Put Pilot [REDACTED]
7/3/18	69.3	2094.0	Used 2.5 qts. oil in past 28.7 hrs. Oil + oil filter changed. Submitted oil sample to AvLab for analysis, reported as normal. Opened oil filter, no metallic debris found. Installed new CH48108-1 oil filter + safety-tied in place. Added 7 qts. Aeroshell 100W Plus oil. Replaced broken Adele clamp on mixture cable attachment on induction elbow. Rotated all spark plugs. Ran engine, no leaks. [REDACTED] Put Pilot [REDACTED]

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
8/1/18	69.3	2094.0	Checked both P-Mags for case bolt loosening as instructed by E-Mag by firmly grasping the box/coil bodies of the P-Mags and found no movement between the case and nose sections of either P-Mag.
8/27/18	Approx. 91.9	Approx. 2,116.6	[REDACTED] PVT Pilot [REDACTED] Off airport controlled belly landing and prop strike near KNYL following alternator problems, gradual loss of engine manifold pressure, and eventual engine failure. Had 7 gal. fuel in header tank and approx. 13 gal. fuel in main. No improvement in engine function after switching on backup fuel pumps and switching fuel tanks. Oil pressure, fuel flow, oil pressure, fuel pressure, (cont)

MAINTENANCE RECORD

[illegible]

Performance One Aviation, Inc.
5133 E. Roadrunner Drive
Mesa, AZ 85215
480-924-9750

ANNUAL OR 100 HOUR AIRCRAFT INSPECTION

TAC/HOBBS TIME 2020.5 W.O. NO. DATE 4/24/2018
N# 8162H MAKE & MODEL Cessna 175-RC S/N 229
POWER PLANT MAKE MODEL RS/N LS/N
SUPERIOR VP-30-361-T1HDZ S/N 361A180010 0.0 TSN

POWER PLANT INSPECTION		
ENGINE AND NACELLE GROUP	MECH	INSP
Pre-Inspection Run Up	NP	NP
Functional Ck. Engine Systems	NP	NP
Drain Oil and Refill	NP	NP
Inspect Oil Screen or Filter	NP	NP
Inspect Oil Cooler	NP	NP
Inspect Oil Lines and Hoses	NP	NP
Compression Check - Record	NP	NP
Clean - Gap - Test - Spark Plugs	NP	NP
Inspect Ignition Harness	NP	NP
Inspect Magnetos	NP	NP
Check Mag Timing	NP	NP
Inspect Starter	NP	NP
Inspect Vacuum Pump & Prop Gov.	NP	NP
Inspect Alternator & Mount	NP	NP
Inspect Electrical Wiring	NP	NP
Clean Fuel Injector or Carb. Screens	NP	NP
Clean Fuel Injector Nozzles	NP	NP
Press Check & Inspect Fuel Lines	NP	NP
Inspect Ex. & Turbo System	NP	NP
Clean Air Filters	NP	NP
Inspect and Functional Check Engine Controls	NP	NP
Inspect Carb. Heat Box	N-A	N-A
Inspect Alternate Air Box	NP	NP
Inspect Engine Mounts	NP	NP
Inspect Engine Cases	NP	NP
Inspect Cylinders	NP	NP
Inspect Induction System	NP	NP
Inspect Baffles & Cowling	NP	NP
Inspect Cowl Flaps and Controls	N-A	N-A