

YEAR 2022/23 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 Technician or Repair Facility. (See back pages for other specific entries.)
4-25-22	Hobbs: 3857.1 hrs;	Replaced Both AmSafe inflators with new... TESTED		SYSTEM WITH V23 DIAGNOSTICS TOOL SATISFACTORY; LH INFLATOR: PIN: 51084-40, S/N: AS8YLEYATS, DOM: A0222; RH INFLATOR: 510226-401, S/N: AS398EEJHTY, DOM: A0322, —, AP
5-5-2023	HOBBS: 4130.7 hrs; Ale TT: 4130.7 hrs; Since last ANNUAL: 278.2 hrs; clw AD 2021-05-14	FLAP TORQUE TUBE DYE PENETRANT AND VISUAL INSPECTION SATISFACTORY...		NEXT DYE PENETRANT DUE @ 5030.7 TT AND NEXT VISUAL INSPECTION DUE @ 4475.7 TT; Performed ANNUAL AmSafe electronics TESTS SATISFACTORY... DUE EVERY 12 MONTHS; NO ECT REQUIRED IAW FAR 91.207; clean, inspect, PACIC WITH MOBIC 28 ALL WHEEL BEARINGS; Replace (2) BRACE DISCS AND check BRAKE PADS; INSPECT TIRES; Replace (1) MISSING VG BLADE; OPS check ALE CONDENSER AND EVAPORATOR FAUS; Perform CALIBRATION check on ENGINE TQ AND ITT INDICATING SYSTEMS SATISFACTORY; Replaced FUEL DUMP NOSE #8 FUEL NOZZLE TO FIREWALL WITH NEW; checked TRIM SYSTEM AND Replaced RUBBER EYEBOLT; Replaced FWD TAILSPRING BOLT; Replaced TLW AXLE BOLT; checked hydraulic fluid; Replaced BOTH ELEVATOR OUTBOARD BEARINGS AND PEDESTAL BEARING; check all LIGHTS AND STALL WARN SYSTEMS; Inspect, SERVICE, LUBE AIRCRAFT IAW APPLICABLE AIR TRACTOR AND Vendor Service →

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→ MANUALS AND INSTRUCTIONS AS REQUIRED.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED
IN AN ANNUAL INSPECTION AND WAS DETERMINED
TO BE IN AN AIRWORTHY CONDITION AT THIS TIME.

[REDACTED] A [REDACTED] IA

YEAR
20
DATE

Section 1: Record of engine maintenance and elementary work

Date	Time since new	Time since overhaul	Total cycles	Details of task
2021				→ Shift and replaced quill shaft; Replaced air filter and checked alt air door operation and seal; Inspect and test batteries; Replaced HPEP outlet filter; Inspect and clean HPEP inlet filter, Firewall filter, main oil filter, P3 filter, FWD oil screen; Inspect and ops check chip detector; Inspect ignitors and install using new gaskets; Function test ignition system; Inspect engine mount, cowling, ducting, wiring, oil cooler and ejector, hoses, all controls for Travel and Security; Bleed fuel system; Motor engine and leak check OK; Service with 6 qts BP2380; Ground run and ops check satisfactory. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. AP [Signature]
Agtegra Cooperative 110 15th St. NW PO Box 1296 Huron, SD 57350 Date: August 18, 2021 Eng. Total Time: 3765 Tach/Hobbs: 3765 TSOH: No Overhaul TSHS: 325 Engine Model: PTGA-34AG Engine S/N: PCE-PH0748 Total Starts: 5028 Total Flights: 2814 Act. Reg. No: N502NB Act. Mod/Ser No: 502B-2814 Removed fuel nozzles and replaced with exchange set from Heritage Turbine (see 8130); replaced oil filter with new Puralator PN: 1761865, re-installed with new O-rings; sent old filter to AV-Lab for analysis; replaced high pressure fuel filter with new Donaldson PN: AN6235-3A, and re-installed with new O-Rings; inspected and cleaned firewall fuel filter; blew carbon dust from starter generator; serviced engine with Eastman 2380; replaced air filter with new BA409E; cleaned engine, test ran, and leak checked; found to be O.K. I certify that this engine has been inspected in accordance with a 100 Hour inspection and is approved for return to service. Authorized Signature: Thomas W. Perrenoud				
3-17-2022				HOBBS: 3852.5 hr; ENGINE TT: 3852.5 hr; ENGINE SMH/SLOH: N/A; ENGINE SHS: 412.2 hr; Fuel nozzles serviced by Prime Turbine under WOI M4C3382 and installed using new gaskets and seals; S/G O/H by Aircraft Accessories of Oklahoma under WOI RV38829L and installed using new SMART O-RING; Replaced ignitors and ops checked ignition system; Replaced Beta Feedback Block and inspected slip ring; Drew oil sample; Replaced aircraft batteries with G246AT; Inspect, clean, function test chip detection system; Replace HPEP outlet filter; Inspect and clean HPEP inlet filter, Firewall filter, main oil filter, P3 filter, FWD oil screen; OPS check alt air door and inspect seal; Inspect engine mount, cowling, ducting, wiring, hoses, oil cooler and ejector; Performed Power Recovery Wash and Rinse; Bleed fuel system; →

Signature	AME ACA/AMO SCA/AMO
→ Ground run and leak/ops check satisfactory; check all controls for Travel and Security; Service oil reservoir to 2 qts low; install new air filter and cowling. * 2021: Starts: 143 Flights: 462 (2-16-21 Thru 3-17-22) I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. AP [Signature]	
Agtegra Cooperative 110 15th St. NW PO Box 1296 Huron, SD 57350 Date: October 25, 2022 Eng. Total Time: 4129.3 Tach/Hobbs: 4129.3 TSOH: No Overhaul TSHS: 689 Engine Model: PTGA-34AG Engine S/N: PCE-PH0748 Total Starts: 5028 Total Flights: 2814 Act. Reg. No: N502NB Act. Mod/Ser No: 502B-2814 Removed fuel nozzles and replaced with exchange set from Covington (see 8130); replaced oil filter with new Puralator PN: 1761865, re-installed with new O-rings; sent old filter to AV-Lab for analysis; replaced high pressure fuel filter with new Donaldson PN: AN6235-3A, and re-installed with new O-Rings; inspected and cleaned firewall fuel filter; blew carbon dust from starter generator; serviced engine with Eastman 2380; replaced air filter with new BA409E; function tested chip detector, ops checked O/K; cleaned engine, test ran, and leak checked; found to be O.K. I certify that this engine has been inspected in accordance with a 100 Hour inspection and is approved for return to service. Authorized Signature: Nickolas N. Christensen	
5-5-2023 HOBBS: 4130.7 hr; ENGINE TT: 4130.7 hr; ENGINE SMH/SLOH: N/A; ENGINE SHS: 690.4 hr; Fuel nozzles have 14 hrs of operation... Removed, cleaned and straightened fuel transfer tubes, cleaned hardware, re-installed using new seals and gaskets; Inspect and replace HPEP outlet filter (P.W. 30597990); Inspect and clean HPEP inlet filter, Firewall filter, main oil filter, P3 filter, FWD oil screen; Inspect, clean, ops check chip detector; measure Beta Feedback Block clearance (.010" and inspect slip ring; Drew oil sample; check and service batteries (2-22); Air filter has 14 hrs of operation... checked condition and verified installation; O/H alt drive using SL 369 and inspect/lube quill shaft... install using new drive belt; Inspect ignitors, spark check ignition system, and install w/ new gaskets; checked alt air door operation and seal condition; Inspect engine mount, cowling, ducting, wiring, hoses, oil cooler and ejector, all controls for Travel, Security; Bleed fuel system; Ground run and leak/ops check OK; Service oil reservoir to 2 qts low. — I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. 2022: Starts: 59 Flights: 227 (3-18-22 Thru 5-5-23) AP [Signature]	

RECORDS

ANTI-ICE AND DE-ICE SYSTEMS

MAINTENANCE

INSPECTION AND
CHECK

Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
3-17-2022				HOBS: 3852.5 hr; Prop II: 3852.5 hr; Prop SMOH: 914.5 hr; Lubed prop with NYCO GREASE; INSPECT PROP AND SPINNER INSTALLATION OK. — I CERTIFY THIS PROP HAS BEEN INSPECTED IAW A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. — [REDACTED] AP [REDACTED] EA
5-5-2023				HOBS: 4130.7 hr; Prop II: 4130.7 hr; SMOH PROP: 1192.7 hr; Lubed prop with NYCO GN3058; INSPECT PROP: SPINNER INSTALLATION OK. — [REDACTED] AP [REDACTED] EA