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ENGINE MAINTENANCE RECORDS

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(800) 575-9929
(970) 249-0222
FAX: (970) 249-4155

Engine Make: Lycoming Model: O-360-A4M
Serial Number: L-31073-36A W/O No: W059348 Date: 24 FEB 2023
Warranty Number: B23052 Warranty Start Date: MAR 2023
Crankshaft Serial No: V13896 Cylinder Part Number: SL36006W-A20P

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: 60294-7-14 and Western Skyways, Inc. Repair Specification WSI-100 "Use and Application of Hylomar Sealant" dated 11/10/2010 on all Teledyne Continental Motor Engines and Lycoming Engines as applicable. See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 4820.2 Hrs.

This engine meets requirements of Lycoming SI 1009BE for 2000.0 Hour TBO

The accessories listed below were New or Overhauled and supplied with this engine:

| Component | Part No | Serial No | Component | Part No | Serial No |
|-----------|----------|-----------|--------------|---------|-----------|
| L/H Mag | 4371 | 22081061 | Vac Pump | NA | NA |
| R/H Mag | 4370 | 22080876 | Wastegate | NA | NA |
| Fuel Pump | AF-15472 | 118K05 | Alt/Gen | NA | NA |
| Inj/Carb | 10-5193 | MS11RD02 | Pop Off | NA | NA |
| Man Valve | NA | NA | Controller | NA | NA |
| Starter | NA | NA | VAPC | NA | NA |
| Turbo | NA | NA | Fuel Limiter | NA | NA |
| Prop Gov | NA | NA | Tach Gen | NA | NA |
| | | | | | |

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature 
Repair Station No. WS9R575J

Form 200 Rev. 2

| Cylinder S/N | Cylinder S/N |
|-------------------|--------------|
| #1: 366W000010785 | #5: NA |
| #2: 366W000010786 | #6: NA |
| #3: 366W000010787 | #7: NA |
| #4: 366W000010788 | #8: NA |

AD NOTES COMPLIANCE RECORD

Engine - Lycoming Engines - O-360-A4M

S/N L-31073-36A

Western Skyways Inc.
CRS WS9R575J
W/O W059348

Appliance - Magnetos - Slick

S/N: 22081061

Model: 4371

S/N: 22080876

Model: 4370

Appliance - Carburetors - MA-4

S/N MS11RD02

P/N: 10-5193

Model: MA-4-5

Appliance - Cylinder assembly - Superior Air Parts

366W000010785
366W000010786
366W000010787
366W000010788

P/N: SL36006W-A20P

| AD# | Applicable S.B. # & Subject | Date & Hours @ Comp. | Method of Compliance | One Time | Recurring | Next Comp. @ Hrs/Date | Authorized Signature & Number |
|-------------|-----------------------------|---------------------------|---|----------|-----------|-----------------------|-------------------------------|
| 59-10-07 | Cylinder baffle clamps | 24 FEB 2023 4820.2 ETT | Hooks and retainers provided. | X | | | Ryan Dickerson WS9R575J RD |
| 63-22-03 | Marvel Schebler carburetors | 24 FEB 2023 4820.2 ETT | Verified one piece venturi installed. | X | | | Ryan Dickerson WS9R575J RD |
| 64-16-05 | Oil seal failure | 24 FEB 2023 4820.2 ETT | Installed NEW Tempest fuel pump | X | | | Ryan Dickerson WS9R575J RD |
| 66-20-04 | Oil filter adaptor gasket | 24 FEB 2023 4820.2 ETT | N/A per engine serial number. | X | | | Ryan Dickerson WS9R575J RD |
| 69-24-03 | Marvel Schebler carburetors | 24 FEB 2023 4820.2 ETT | Not applicable by carburetor part number. | X | | | Ryan Dickerson WS9R575J RD |
| 72-06-05 R2 | Marvel Schebler carburetors | 24 FEB 2023 4820.2 ETT | New style levers installed. | X | | | Ryan Dickerson WS9R575J RD |
| 73-23-01 | Piston pin failures | 24 FEB 2023 4820.2 ETT | Installed new piston pins, P/N: LW-14078 | X | | | Ryan Dickerson WS9R575J RD |
| 75-08-09 | Oil pump | 24 FEB 2023 4820.2 ETT | Installed new oil pump impeller kit, P/N: 05K19423-S. | X | | | Ryan Dickerson WS9R575J RD |
| 80-06-05 | Slick magnetos | 24 FEB 2023 4820.2 ETT | Not applicable by magneto model number. | X | | | Ryan Dickerson WS9R575J RD |
| 81-16-05 | Slick magnetos | 24 FEB 2023 4820.2 ETT | Not applicable by magneto model number. | X | | | Ryan Dickerson WS9R575J RD |
| 87-10-06 R1 | Rocker arm assemblies | 24 FEB 2023 4820.2 ETT | Installed rocker arms, P/N: LW-18790. Verified rockers arms marked with "B" as per SB 477A. | X | | | Ryan Dickerson WS9R575J RD |
| 89-04-02 | Facet carburetors | 24 FEB 2023 4820.2 ETT | Not applicable by carburetor serial number. | X | | | Ryan Dickerson WS9R575J RD |
| 90-04-06 R1 | Prop governor oil line | 24 FEB 2023 4820.2 ETT | Not applicable per engine configuration. | X | | | Ryan Dickerson WS9R575J RD |
| 92-12-05 | Piston pin failure | 24 FEB 2023 4820.2 ETT | Installed new piston pins, P/N: LW-14078 | X | | | Ryan Dickerson WS9R575J RD |

| AD# | Applicable S.B. # & Subject | Date & Hours @ Comp. | Method of Compliance | One Time | Recurring | Next Comp. @ Hrs/Date | Authorized Signature & Number |
|--------------|---|---------------------------|--|----------|-----------|------------------------------|-------------------------------|
| 93-11-11 | AC, Textron, Rajay fuel pumps | 24 FEB 2023 4820.2 ETT | Installed NEW Tempest fuel pump, P/N: AF-15472 | X | | | Ryan Dickerson WS9R575J RD |
| 95-07-01 | Connecting rod bolts | 24 FEB 2023 4820.2 ETT | Installed NEW connecting rod bolts, P/N: SL75061. | X | | | Ryan Dickerson WS9R575J RD |
| 95-26-02 | Low octane detonation | 24 FEB 2023 4820.2 ETT | Engine inspected during overhaul. | X | | | Ryan Dickerson WS9R575J RD |
| 96-09-10 | Oil Pumps | 24 FEB 2023 4820.2 ETT | Installed new oil pump impeller kit, P/N: 05K19423-S. | X | | | Ryan Dickerson WS9R575J RD |
| 97-15-11 | Piston pin | 24 FEB 2023 4820.2 ETT | Installed new piston pins, P/N: LW-14078. | X | | | Ryan Dickerson WS9R575J RD |
| 98-17-11 | Crankshafts | 24 FEB 2023 4820.2 ETT | Crankshaft, S/N: V13896 visual, dimensional, and magnetic particle inspected. | X | | | Ryan Dickerson WS9R575J RD |
| 2004-10-14 | CORRECTION - Prevent loosening or failure of the crankshaft gear retaining bolt | 24 FEB 2023 4820.2 ETT | Crankshaft, S/N: V13896 counter bored recess inspected per MSB 475. Installed new dowel, modified gear with new bolt, P/N: STD-2246 and new lockplate. | X | | Prop strike or gear removal. | Ryan Dickerson WS9R575J RD |
| 2005-19-11 | Prevent failure of the crankshaft | 24 FEB 2023 4820.2 ETT | Not applicable per crankshaft S/N V13896 | X | | | Ryan Dickerson WS9R575J RD |
| 2006-06-16 | To prevent failure of the crankshaft | 24 FEB 2023 4820.2 ETT | Not applicable per crankshaft S/N: V13896 | X | | | Ryan Dickerson WS9R575J RD |
| 2006-10-21 | CORRECTION - To prevent fatigue failure of the connecting rod and a possible uncommanded shutdown of the engine. | 24 FEB 2023 4820.2 ETT | Installed connecting rods, P/N: LW-11750 | X | | | Ryan Dickerson WS9R575J RD |
| 2006-12-07 | To prevent loss of engine power due to cracks in the cylinder assemblies | 24 FEB 2023 4820.2 ETT | Installed NEW Superior cylinders. | X | | | Ryan Dickerson WS9R575J RD |
| 2007-04-19 | To prevent cylinder separation that can lead to engine failure | 24 FEB 2023 4820.2 ETT | Not applicable per cylinder serial numbers. | X | | N/A | Ryan Dickerson WS9R575J RD |
| 2007-04-19R1 | To prevent cylinder separation that can lead to engine failure | 24 FEB 2023 4820.2 ETT | Not applicable per cylinder serial numbers | X | | N/A | Ryan Dickerson WS9R575J RD |
| 2009-26-12 | To prevent loss of engine power due to cracks at the head-to-barrel interface and possible engine failure caused by separation of a cylinder head | 24 FEB 2023 4820.2 ETT | Installed NEW Superior cylinders. | X | | N/A | Ryan Dickerson WS9R575J RD |
| 2012-03-07 | To address a "machined-from-billet" HA-6 carburetor having a loose mixture control sleeve that rotated in the carburetor body | 24 FEB 2023 4820.2 ETT | HA-6 carburetor not used on this engine. | X | | | Ryan Dickerson WS9R575J RD |
| 2012-19-01 | To prevent failure of the crankshaft | 24 FEB 2023 4820.2 ETT | Not applicable per crankshaft S/N: V13896 | X | | N/A | Ryan Dickerson WS9R575J RD |
| 2017-16-11 | Engine Connecting Rod Assemblies Integrity | 24 FEB 2023 4820.2 ETT | Installed new connecting rod small end bushings, P/N: SL13923A. | X | | | Ryan Dickerson WS9R575J RD |

Central Planes

Sauk Centre, MN 56378

Page No. _____

DATE

(320) 352-3013

DRK

Date: 03/31/2023 Reg. #: N813CT Tach: 4808.6 Total Time: 4820.2

Make: Lycoming Model: O-360-A4M S/N: L-31073-36A TSMOH: 0.0

1. Installed engine in N813CT after overhaul using all new firewall forward hoses, new engine mount isolators, and all accessories listed in Western Skyways overhaul entry.
2. Engine mount was cleaned up, primed and repainted.
3. Serviced with Phillips 20W-50 type M oil and new filter installed.
4. Ground run up check ok, no leaks noted, mag check ok.
5. Reinstalled 76EM8S5-0-60 S/N 35998K prop and torqued to specs.
6. I have inspected this aircraft and determined it to be airworthy for ferry flight from KPEX to KD39. See Ferry Permit from MSP FSDO issued this date.

Thomas J Wenker 3136772IA *Thomas J Wenker*

Central Planes

Sauk Centre, MN 56378

(320) 352-3013

Date: 04/19/2023 Reg. #: N813CT Tach: 4809.1 Total Time: 4820.7

Make: Lycoming Model: O-360-A4M S/N: L-31073-36A TSMOH: .5

1. Inspected engine after .5 hr ferry flight with no defects noted.
2. I certify this engine has been inspected in accordance with an annual inspection and determined airworthy at this time. Thomas J Wenker 3136772IA *Thomas J Wenker*



Executive Air Taxi Corporation
(701) 258-5024
2301 University Dr. Bldg 48
Bismarck, ND 58504

Date: 5/14/2024; Aircraft: N813CT; Type: PA-28-181; S/N: 28-8590080; Hobbs;; Tach: 4837.10; Total Time: 4848.70; LG Cycles;; Engine - Type: O-360-A4M, S/N: L-31073-36A, Time: 4848.70; Prop - Type: 76EM8S5-0-60, S/N: 35998K, Time: 3802.70

C/W Engine 100 Hr. Inspection IAW Piper PA28-181 Inspection Report, Section B, 1-60 and PA28-181 AMM 70-00-00. Drained old oil and changed filter P/N AA48110-2. Serviced with 8 QTS. Phillips 20W50 engine oil IAW PA28-181 Inspection Report (B Engine Group) and AMM 12-12-00. Removed spark plugs from engine, cleaned, gapped and inspected. No defects noted. Installed in engine and torqued to 300 inch lbs. IAW PA28-181 Inspection Report (B Engine Group) and PA28-181 AMM 74-20-00. Removed and replaced engine induction filter P/N BA-10 IAW Piper PA28-181 Inspection Report (B)(24) and PA28-181 AMM 12-25-00. Compression Check: #1 80/80, #2 80/80, #3 80/80, #4 80/80. IAW Piper PA28-181 Inspection Report Section B (14). Cut open oil filter and inspected. No defects noted.

This aircraft and/or component identified above was inspected and/or repaired IAW current FAR's and I certify it to be in an airworthy condition, and is approved for return to service, with respect to the work performed.

WO# 27088 Date 5/14/24 Signature *David*
Executive Air Taxi Corp. Maintenance Release - Repair Station CTYR019D



Executive Air Taxi Corporation
(701) 258-5024
2301 University Dr. Bldg 48
Bismarck, ND 58504

DATE _____

Date: 6/13/2025; Aircraft: N813CT; Type: PA-28-181; S/N: 28-8590080; Hobbs:; Tach: 4848.30; Total Time: 4859.90; LG Cycles:; Engine
- Type: O-360-A4M, S/N: L-31073-36A, Time: 4859.90; Prop - Type: 76EM8S5-0-60, S/N: 35998K, Time: 3813.90

C/W engine annual/100 hour inspection IAW Piper PA-28-181 Inspection Report PN# 230-1039 and FAR 43 Appendix D.

C/W AD Bi-weekly search.

Compression Check : #1 = 74/80, #2 = 76/80, #3 = 74/80, #4 = 74/80

Removed spark plugs, cleaned, gapped, and rotated. No defects noted IAW Piper PA-28-181 AMM 74-20-00.

Drained oil and changed filter PN# AA48110-2. Cut open old filter and inspected, no defects noted. Serviced with 8 qts Phillips 20w-50

IAW Piper PA-28-181 Inspection Report and AMM 12-12-00.

AD 2024-21-02 N/A, connecting rods replaced @ engine overhaul past affected part number ship date.

This aircraft and/or component identified above was inspected and/or repaired IAW current FAR's and I certify it to be in an airworthy condition, and is approved for return to service, with respect to the work performed.

WO# 27344 Date 6/13/25 Signature [Signature]
Executive Air Taxi Corp. Maintenance Release - Repair Station CTYR019D