

Servant Air Ministries, Inc.
Board of Directors Meeting
May 19thth, 2020

Officers Present: Mr. Sam Parsons, Dr. Bob Lehton, Mr. Steve Miller, Mr. Kyle Dixon, Mr. Tom Miller, Mr. Dick Blondin and Mr. Ryan Roberts.

Officers Absent: Mr. Scott Langston, Mr. Daniel Mandracken and Mr. Dan Vital.

Call to Order: Mr. Sam Parsons, President of Servant Air Ministries called the online zoom meeting to order at 7:07pm. The meeting was opened in prayer by Mr. Sam Parsons.

Board of Directors: The Board of Directors will remain the same with no additions or resignations.

Review of the Minutes: The previous meeting minutes were not reviewed.

Treasurers Report:

There was no Treasury Report.

Airshow Report:

There are currently no airshows due to COVID-19.

OLD BUSINESS:

Mr. Sam Parsons struggled for several months to get comfortable with doing a top overhaul instead of a full overhaul on the Cessna 172. As a Part 91 operation, Servant Air is not required to follow the Manufacturer's Service TBO Instructions. Servant Air has an experienced mechanic who will sign off on the airworthiness after the annual inspection confirming that we can go beyond the TBOs set forth by Lycoming for both the 2000 hours and 12-year limit, one annual at a time. Mr. Sam Parson's engineering training in fracture mechanics unmonitored crack growth, and the limits of nondestructive testing made him a believer in preventive maintenance.

Inspection intervals (TBOs) are set such that an undetectable crack cannot grow to the size needed for a catastrophic failure without being detected by the next inspection. AD 98-02-08 documented that 15 crankshaft failures occurred in Lycoming engines like ours. The sentinel failure occurred in an O-320 with 1950 hours since overhaul and at an age of 16 years. It resulted in the propeller departing from the aircraft in flight. Our Cessna 172's crankshaft was magnafluxed (magnetic particle non destructive test) 17 years ago and since then we have added 1997 hours to it's operating.

JB Engines is the superior bid both concerning both cost and engine removal. If there are any issues, they are located in Sebring, FL. JB Engines needs the aircraft in Sebring by May31 to start the overhaul. They are expected to take 4-5 weeks. The warranty after 1 year is prorated, and excludes accessories.

JB Engines Quote is as follows:

Engine Price: \$20,900.00 which includes:

- Matched new cylinder assembly set per STC (160 hp up-grade)
 - STC 160 hp up-grade STC COST engine & airframe adds \$950.00
- Matched weight pistons 8.5 compression per STC (160 hp up-grade)
- Magnetos overhauled
- Ignition Harness and Spark Plugs
- Starter (SKY-Tec)
- Carburetor overhaul exchange per STC (160 hp up-grade)

Engine removal and install labor of \$1,000.00 is a donation from JB Engines to Servant Air.

Installation parts required:

- Engine Mounts (150.00 each x 4) \$600
- Engine Hose Kit (fuel and oil) \$960
- Misc. Engine Installation Hardware \$300

Total Complete Overhaul Cost: \$23,710.00

This estimate is based on normal overhaul and subject to engine inspection. Any additional parts or labor required to return this engine to service will be quoted upon inspection.

The overhaul for the prop occurs every 500 hours.

Mr. Robert Lehton motioned to perform a full overhaul on the Cessna 172 N5141R with JB Engines in Sebring, FL. If the propeller has more than 350 hours then have the propeller overhauled as well. Mr. Steve Miller seconded the motion. All in favor. None opposed. The motion carried.

NEW BUSINESS:

Servant Air Ministries Incorporated license was renewed by Mr. Sam Parsons.

Mr. Mark Granger still owes Servant Air Ministries over \$3000. Mr. Sam Parsons will discuss this with him.

Mr. Scott Langston has completed his chemotherapy and radiation for throat cancer. He's had a difficult few week recovering with a challenge eating and drinking. Pray for his recovery at home.

Final prayer was by Mr. Ryan Roberts at 6:53pm.
The meeting was adjourned.

Respectfully Submitted,

Captain Ryan Roberts
Secretary
Servant Air Ministries, Inc.