



Tealeye Cornejo
Air Safety Investigator (Field)
AS-WPR

Date: June 28, 2023

Subject: WPR23LA175, Engine Examination

Contact: Bryan Hanson, Federal Aviation Administration (FAA) Inspector

Inspector Hanson provided oversight for the engine inspections. He reported no evidence of any mechanical damage was observed to the engine cases. The cylinders for both engines were removed. All the piston faces were melted as well as being able to see wrist pins. Each engine was lubricated.

A visual examination of the of the fuel system revealed that the fuel injectors were free of debris.

Inspector Hanson stated that he did not see an EGT gauge installed on the airplane's instrument panel, but that that the probes and the wiring harness were present.

A sample of fuel was obtained from the rear airframe fuel filter. The liquid was blue in color, consistent with 100LL. No debris was observed in the fuel sample.

Rear Engine Photos
Engine: Continental
Model: TSIO-360-CB
Serial No.: 236298-R



Figure 1: View of fuel from rear airframe fuel filter



Figure 2: Internal View of the No. 4 cylinder



Figure 3: Top View of the No. 4 piston



Figure 4: Side View of No. 5 Piston



Figure 5: Front View of the No. 5 Piston

Front Engine Photos
Engine: Continental
Model: TSIO-360-CB
Serial No.: 300633



Figure 6: Internal View of No. 1 cylinder barrel



Figure 7: Side View of No. 1 Piston



Figure 8: Front View of No. 1 Piston Face