



ENGINE EXAMINATION REPORT

NTSB ACCIDENT NUMBER: ERA22LA317

AIRCRAFT REGISTRATION: N6195R

OPERATOR: Individual

ACCIDENT LOCATION: Monticello, NY

Investigative Team:

NTSB Investigator-in-Charge (IIC): Daniel Boggs, Air Safety Investigator

ENGINE EXAMINATION

The engine was examined at the recovery facility. The engine was hung on an engine stand by recovery personnel.

- As first examined, the engine was thermally damaged. The spark plug leads and wires were burnt away and melted.
- The oil filter was thermally damaged, it was cut open and metal shaving were noted in the element
- The fuel pump was thermally damaged, the shear shaft was in good condition.
- The oil pump was thermally damaged and impact damaged, it could not be rotated by hand due to damage.

- The turbo charger was thermally damaged, however it did spin freely.
- Both magnetos were thermally damaged and would not produce spark.
- The crankshaft and camshaft were fractured at cylinder number 5.
- The oil pan was melted away.
- The propeller, cylinder #6, Oil cooler, front section of the cam and front section of the crankshaft were fractured off the engine.

A lighted boroscope was used on all cylinders, no anomalies noted with the valves, cylinder walls and piston.

- Spark plugs exhibited normal wear.
- The cylinder skirts on cylinder 5 & 6 were damaged by the connecting rod beating against the edges.
- The connecting rod for #5 was missing and not located. The connecting rod for #6 exhibited thermal discoloration consistent with lack of lubrication.
- The fuel divider was thermally damaged and the diagram was melted away.

PROPELLER EXAM

- All 3 blade tips were curled under.
- One blade tip was melted away
- Propeller was in the feather position.