



NTSB RECORD OF EXAMINATION

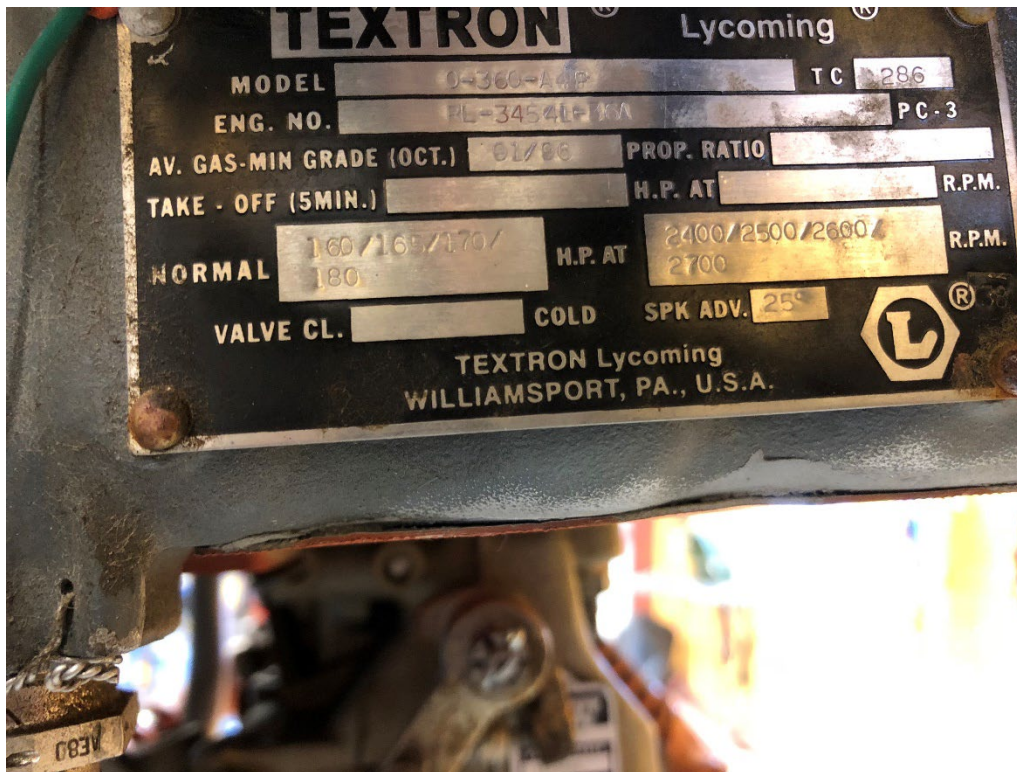
Eric Swenson
Aviation Accident Investigator
Anchorage, AK (Alaska Region)

Date: 05/11/2022
NTSB Accident Number: ANC22LA011

Examination:

Engine:

- Lycoming
- Model: O-360-A4P
- TC: 286
- Engine No.: RL-3454I-36A
- Normal: 180 HP at 2700 RPM



-Engine Data Tag-



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Propeller:

- Catto Propeller
- Glass/2X Carbon Composite 2-B #01153960
- Diameter: 86"
- Pitch: 38"
- NLE Cub Type Manufactured: January 2015



-Propeller Data Tag-

The airplane and engine were recovered to Holliday Aircraft Service in Birchwood, Alaska. Terry Holliday did a compression check on 05/10/2022 and found low compression on cylinder No. 3, the fuel system was found clean with no water noted, the spark plugs were noted as oil soaked, they cleaned the spark plugs and ran the engine that day with an external fuel source connected directly to the fuel system. The engine was noted to run rough.

On 05/11/2022 the compression was checked again, and all cylinders were above about 75/80. The spark plugs were cleaned again and rotated to different cylinders on installation. The engine was run again utilizing an external fuel source. During the engine run, the airplane did not have wings or tail surfaces installed and was secured to a vehicle. The engine produced positive oil pressure in the green arc and the oil temperature needle began to rise. The engine revealed no evidence of any preaccident mechanical malfunctions or failures that would have precluded normal operation during the test run.

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