



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety

April 2, 2021

ENGINE EXAMINATION

CEN21LA168

A. ACCIDENT EXAM

Location: Prose Field Airport (XA0)
Date: April 2, 2021
Aircraft: Piper J3, C90
NTSB IIC: Craig Hatch

B. CONTACTS:

GEOFFREY & DEBBIE PROSE
8659 BLAIR RD
JUSTIN, TX 76247
Phone 940-479-2763

C. SUMMARY

Examination of the recovered airplane's engine was conducted on April 2, 2021, at a private hangar, located on Prose Field Airport, Justin, TX.

A visual inspection of the engine did not identify any pre-impact anomalies. The engine oil dipstick was removed, a sufficient quantity of oil was present, and the oil appeared clean and normal in appearance. The fuel tank, which is located just in front of the windscreen, contained undetermined amount of fuel. The engine cowling was removed; the engine mount was bent, and the engine was slightly canted to the left. The fuel line, attached to the carburetor, was removed; fuel was captured in a jar, the fluid was light blue in color and clear of contaminants. The airplane was relocated outside of the hangar in preparation of an engine run. The engine was not equipped with an electrical system. The engine was rotated by turning the propeller by hand, with the magnetos in the off position. The magnetos were then switched on and the engine was started by "hand-propping". Due to damage to the engine mount, the engine run was limited to slightly above idle. The engine ran and sounded normal, with no abnormalities noted.

D. DETAILS OF THE INVESTIGATION

1.1 Exam Photos

	Accident airplane in trees FAA photo
	Accident airplane in private hangar Photo courtesy of AIG
	Before exam



Cowling removed, fuel was light blue and free of contaminants. Engine controls in place