

**NATIONAL TRANSPORTATIONS SAFETY BOARD**  
**Office of Aviation Safety**  
**Washington, DC 20594**

**SUMMARY OF ENGINE/AIRFRAME EXAMINATION**

-- CEN21LA306 --

**A. ACCIDENT**

Location: Pottsboro, Texas  
Aircraft: N181BW, Piper PA28

**B. PARTICIPANTS**

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Craig Hatch                          | Jimmy Staggs                    |
| Aerospace Engineer                   | Aviation Safety Inspector       |
| National Transportation Safety Board | Federal Aviation Administration |
| Denver, Colorado                     | Irving, Texas                   |

**C. DETAILS OF ENGINE EXAMINATION**

A post-recovery engine examination was conducted at Air Salvage of Dallas, Lancaster, Texas, on Aug 23, 2021. The airplane wings were off the fuselage. The fuselage was placed on a trailer and strapped down for the engine run. A fuel canister and line was connected to the airplane fuel system, near the electric fuel pump.

**D. SUMMARY OF ENGINE EXAMINATION**

**Engine** – Lycoming O-360, 180 hp

**Engine**

- Engine cowling had been removed.
- A visual inspection of the engine did not discovery any anomalies



Fuselage on a trailer; ready for the engine run



Fuel can, plumbed to the engine

- The engine started without hesitation or delay.
- Engine was allowed to warm up before advancing the throttle.
- A magneto and carb heat check was performed
- With the engine at full throttle, a slight increase in rpm could be achieved by using the mixture control and leaning the engine slightly.
- The engine appeared to make rated power without any decrease in rpm or issues.



Engine monitor during the engine test run

----- end of summary -----