

NATIONAL TRANSPORTATION SAFETY BOARD
Office of Aviation Safety
Memorandum of Record

Post Examination facility: Atlanta Air Recovery, Griffin, GA.

Aircraft: Piper Cherokee, PA-32-260

Nnumber: N5566J

Engine: O-540-E4C5

Serial number: L-10968-40

Examination of the engine revealed that the external accessories of the engine were still attached to the engine case. The ignition system was intact and all spark plug leads were still connected to the magnetos and spark plugs. The fuel lines were intact but impact damaged, no fuel was observed within the fuel system lines (breached). The carburetor was impact damaged and removed for examination. During the examination the carburetor bowl was removed and no debris was observed within the bowl. No anomalies were noted with the carburetor assembly. The spark plugs were removed and no anomalies were noted. The propeller was rotated by hand and compression was observed on all cylinders. Valvetrain movement was observed, but the No. 1, No. 2 pushrods and tubes were impact damaged. The propeller showed signs of chordwise bending and scoring.

All fuel system and oil lines were impact damaged. The engine driven fuel pump was removed and hand operated; it was supplied fuel and pumped fuel out of a container. The electrical fuel pump could not be tested due to extensive damage.