



MEMORANDUM FOR RECORD

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Air Safety Investigator
Eastern Region

Date: 01/23/2026
Subject: Wreckage Examination
NTSB Case Number: ERA24LA105

Examination of the wreckage of N3747J, was conducted by the NTSB and FAA on February 9, 2024, at XFLIGHT Aviation Academy, Pompano Beach, Florida.

The following information was obtained during the examination:

Airplane

Examination of the airplane revealed that during the impact sequence it had incurred substantial damage. The propeller and engine cowling were damaged, and the left wing sustained damage to the wingtip, and the outboard leading edge of the wing, and displayed buckling near the wing root. The right wing sustained damage to the wingtip, the outer leading edge, and the wing spar, and displayed spanwise twisting and folding near the wing root.

Engine

Examination of the engine revealed an approximate 6-inch hole in the top of the engine case just behind the No. 2 cylinder. Further examination revealed indications of oil starvation, though the oil tank was found to contain 5 quarts of oil, and the oil pump was found to be functional.

The No. 2 connecting rod was found to be twisted, displayed thermal damage, and was found to be separated from the engine crankshaft. Multiple metallic fragments which among other things included bearing material, pieces of the No. 2 rod end cap, and pieces of the piston rings, were found in the engine and oil tank. The No. 1, No. 3, and No. 4, rod end bearings displayed evidence of extrusion of the bearing material. No metallic debris was discovered in either the engine oil screen or oil filter.