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Subject: ERA24LA135-engine examination discussion

Contact: Todd Gunther, NTSB Investigator

The engine was examined at Florida Air Recovery aircraft salvage facility. The engine remained attached to the airframe and impact damage to the propeller was observed.

The engine was turned through by manually rotating the propeller. The engine turned freely through 360° with no binding or unusual noise evident. All cylinders showed compression and suction when the engine was rotated. A lighted borescope was then inserted inside the cylinders. The pistons moved up and down normally and valve action was correct. There were no holes or damage to the pistons or valves.

The fuel strainer was opened; the screens were clean and unobstructed. The carburetor was examined, and the fuel bowl was free of debris. All cockpit controls were connected and exhibited full travel when manipulated by hand.

The spark plugs were removed for examination. The electrodes were normal in wear and dark in color when compared to a Champion Check-a-Plug chart.

The magnetos were removed and tested by rotating with a power drill. Both magnetos produced spark when rotated.