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Date: March 20, 2024
Subject: CEN23LA246, N463HP
Contact: David Harsanyi, Lycoming Engines

Following the examination of the loss of engine power on N463HP, engine components were sent to Lycoming Engines' laboratory for metallurgic examination. A portion of the crankcase with the dip stick port and the suction screen plug with metal chips were submitted.

The broken crankcase portion surrounding the dip stick port exhibited signatures consistent a fracture in overload. No anomalies were detected with the crankcase materials.

Chips captured in the suction screen plug had metallurgic composition similar to connecting rod material as well as steel from fittings, fasteners, and brackets.

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