



RECORD OF EXAMINATION

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Central Region

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NTSB Accident Number: CEN14LA228

Narrative:

Examination of the engine revealed that engine case contained holes consistent with post-crash fire damage. All of the engine pistons were connected to the crank shaft. All of the piston rings were intact. The piston domes did not display melting or damage consistent with valve contact. The piston domes had the following writing: "L2490 STO" and "2C150". All of the spark plug's center and ground electrodes were intact. The intake and exhaust valves were not fractured. The engine FADEC and engine accessories were destroyed by fire.

Examination of the main rotor chain drive revealed that the chain was resting on around and within the teeth of both sprockets. About half of the larger sprocket was consumed by post-crash fire. The surrounding structure did not exhibit any witness marks consistent with impact from the chain.

Examination of the flight control system confirmed flight control continuity.

Impact and post-crash fire damage precluded functional testing of the helicopter.

Lee Thiel from the Federal Aviation Administration participated in the examination.