



Federal Aviation Administration

Memorandum

Date: August 14, 2013

To: Erik D. Ramseyer, IIC, Portland FSDO, NM09

Prepared by: Curt J. Cowley - Aviation Safety Inspector, Portland FSDO, NM09

Subject: Post-Accident Inspection of C-172, N75542, Lycoming engine.

Inspection performed in aircraft storage yard of:

Nu Venture Air Services LLC, [REDACTED], Dallas, OR 97338

Personnel Present:

Curt J. Cowley, Portland FSDO

Mike Dowd, President, Nu Ventures Air Services

John Esch, A&P mechanic, Nu Ventures Air Services

Engine: Lycoming O-360 A4-M

Engine SN: L-30635-36E

Oil is clean and appears to be fresh.

Fuel in Carburetor Bowl clean, clear and bright.

All spark plugs clean and properly gapped

Cylinder compressions taken cold:

#1- 79/80

#2- 77/80

#3- 78/80

#4- 79/80

Throttle control free and clear. Travels smoothly from stop to stop.

Mixture control free and clear. Travels smoothly from stop to stop.

L/H and R/H Magnetos properly timed and secure.

Carburetor secure and clean. Carburetor bowl clean, fuel remaining in bowl clear and bright. Accelerator pump working properly.

Overall impression: This engine appears to have been well maintained and despite the accident is in good to excellent condition. Nothing found during the inspection would give any indication that the engine would not have been developing full power at the time of the accident.

Inspector's Opinion: After checking crankshaft run out and a thorough ground run, this inspector would feel comfortable installing this engine on his personal aircraft.

