

Neil Mark Chernoff

Airframe and Powerplant Mechanic

Inspection Authorization

[REDACTED]

[REDACTED]

To: Daniel Boggs, NTSB

Fr: Neil Chernoff , A&P/IA

Subj: Engine Inspection on N759AC –Cessna 182Q

Date: 1/10/22

This report is in response to your request for an inspection of the Continental O470U Engine, Serial # 813401R, in the Cessna 182Q N759AC that had an emergency landing on the beach on Fire Island, N.Y. a few months ago. Below are detailed actions and results found:

Rotation of the crankshaft – normal, with normal compression, see below.

Magnetos – timing to the engine- good (Impulse coupling acted normally as the propeller was manually rotated and both magnetos rotated normally indicating no damage to the gear in the accessory case. Magnetos looked in “ like new” condition- rotor was clean, no corrosion on the contacts and no reason to believe they did not function as designed.

Ignition wires – “like new” condition. No breaks, well secured both to the engine and to the spark plugs.

Spark Plugs – were removed, appeared clean and gapped properly.

Ignition switch- normal when key was turned.

Compression/Leak down results were : all at least 68/80 with no leaks in any cylinder . 5 of 6 were holding over 70/80 with no leaks.

Oil: Oil cooler and oil filter were secured and safety wired and with no leaks, oil quantity was 8 quarts.

No oil leaks detected throughout the system.

Fuel: There was no fuel in either tank. Fuel drains were not removed (still safety wired) and only a few

Drops of water came out of the right wing (none from the left). Fuel fitting to the carburetor was secure.

Gascolator clean and screen not obstructed with fittings secure. There was no indication of fuel leaks

In conclusion, I was unable to run the engine since one blade of the propeller is bent back about 45 degrees, there is no nose wheel and the fork is broken and battery cables were cut by the towing company. If [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

I hope this report is helpful and if I can be of assistance in the future I will be available at the above phone number or email address.

Neil Chernoff