



10 November 2023

To Whom it may concern:

On 17 October 2023 I assisted the FAA Inspectors in the investigation of a Remos GX Aircraft registration number N72GX, serial number 275, located at the Boulder City Airport, that was involved in an off-field landing resulting in significant damage to the aircraft.

The Aircraft had apparently run out of fuel and landed in a dry lakebed, upon landing the landing gear was damaged by the rough terrain resulting in damage to the propeller, engine and airframe. This investigation was to determine if there was a fuel leak, as the records indicated that there should have been enough fuel to complete the flight.

I determined the aircraft was using 100LL Avgas so any fuel leak would leave the typical blue stain from the dye in 100LL. I removed the seats and opened the panels in the cabin to access the fuel tank and fuel lines located behind seats, no defects or evidence of leaks found. The fuel cap was found secure and locked, the fuel filler cap O-ring present and in good condition, the only fuel stain ran down and forward indicating it was from previous over-fueling and not from siphoning of fuel during flight. No evidence of leaks on fuselage or tail aft of fuel filler cap. I sumped the fuel tank, the sump valve was operable and in good condition, no evidence of leak or damage. There was a small amount of "unusable" fuel in the tank.

Removed panels in the cabin between the seats to visually inspect fuel lines and fuel shutoff valve, no defects or evidence of leaks found. Inspected fuel lines forward of firewall to carburetors, no defects or evidence of leaks found. Removed left and right carburetor fuel bowls, both bowls found empty indicating the engine was fuel starved. Removed all lower spark plugs, no defects found, the plugs were light in color indicating the engine had run lean which would be consistent with running out of fuel.

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