

Communication Summary

January 28, 2018

Information from: Vernon Gregory



Summary & Factual Information: Mr. Gregory reported that he removed the mechanical fuel pump off N3067H, serial number 3692. When he moved the pump's lever arm up and down, no suction was observed. He disassembled the fuel pump. The pump's screen was clean. The removed diaphragm exhibited no holes but was very hard. There were two check valves in the pump one for suction and one for discharge. He believes one of the check valves is defective or had stuck. The pump appeared very old and there was lots of wear on the lever arm that operates on the cam inside the engine. The check valves were a very early style not used in replacement pumps. He checked the engine logs and found no record of the fuel pump ever being replaced. He remarked that this could be original 1946 pump and that these pumps were manufactured by AC in the 30's, 40's, 50's, 60's and are no longer available from AC.

I can attest that the above summary is correct to the best of my knowledge:

Edward F. Malinowski
National Transportation Safety Board
Air Safety Investigator