

Dan Baker
Senior Air Safety Investigator
AS-WPR

Date: June 5, 2024

Subject: WPR23LA272, Fuel Fitting Examination

The firewall fuel fitting from N196G was removed from the airplane by the pilot/owner and sent to the NTSB IIC for examination. As received the fitting had an unknown orangish red material around its exterior, center portion consistent of a sealant where the fitting was installed through the airplane's firewall. The material did not obstruct the interior of the fitting where fuel would flow.

The fitting had male threads on both ends of the fitting. The threads that would have been on the engine side of the firewall exhibited abrasion damage and wear (figure 1). The threads that would have been on the cockpit side of the firewall were unremarkable and did not exhibit signs of wear or abrasion damage (figure 2).



Figure 1 - Fuel Fitting Thread Abrasion Damage



Figure 2 - Undamaged Fuel Fitting Threads