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Date: April 21, 2025

Subject: ERA25LA123 Engine Examination Summary

On March 20, 2025, the IIC coordinated with a local aircraft mechanic, Mr. Richard Bovey, to examine the engine for oil leaks. Mr. Bovey reported to the IIC that he straightened the propeller, added oil, and performed an engine run. The engine started and ran smoothly through the RPM range. During the engine run, an oil leak was observed at the oil temperature probe that was attached to the recently installed Tempest Model CO-300 oil filter adaptor (see figure 1). Further examination revealed that, although the oil temperature probe nut threaded into the Tempest oil filter housing, the probe was not seated after securing the attachment nut and could not be seated without utilization of the Textron 0750139 adaptor fitting which was installed on the original oil screen housing. After installation of the Textron adaptor fitting on to the Tempest oil filter adaptor, the oil temperature probe seated (see figure 2).

During a phone conversation on March 20, 2025, the pilot, Mr. Robert Mapes, stated that the Tempest Model CO-300 oil filter adaptor was installed during the last Annual Inspection. He further stated that a post-installation engine run to check for oil leaks was not performed.

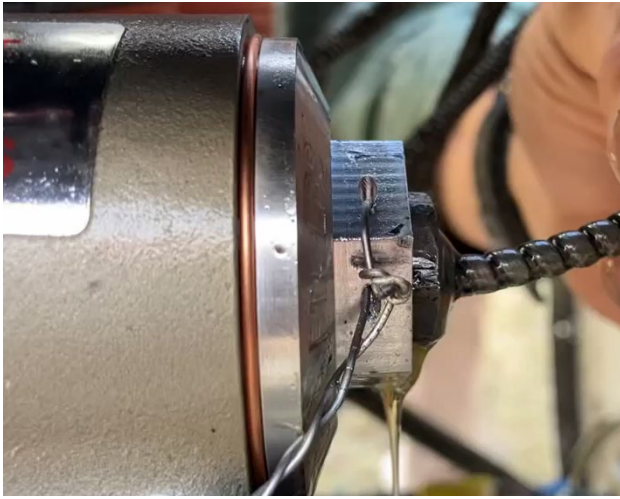


Figure 1: Oil temp probe installed without Textron adaptor fitting.

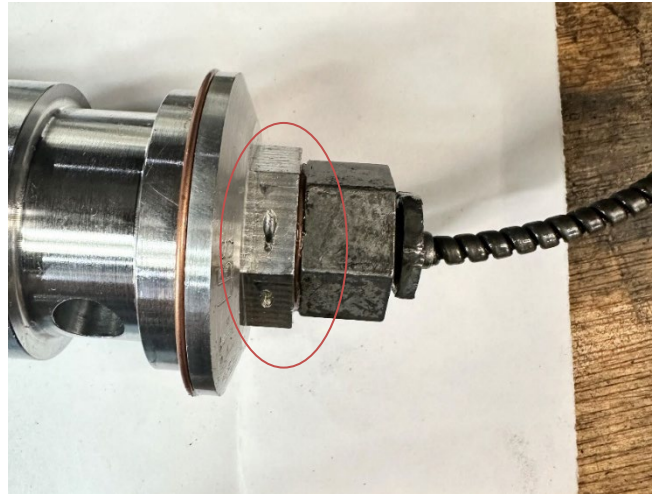


Figure 2: Oil temp probe installed with Textron adaptor fitting.

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