

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Thursday, February 22, 2018 10:07 PM
To: Grant Robinson
Subject: 761064 MGB S/N A231-00624 SOAP

Grant

Per CSE, the following is provided.

Case Number: C0088365
Customer: Thai Aviation Services Limited
Aircraft S/N: 761064
Aircraft Model: S-76D
Aircraft TT: 1,740
ATA: 63
Part Number: 76351-09600-046
Case Subject: MGB SOAP Analysis-Rising Trend-Iron

Problem Description:

Reference attached SOAP report for A/C S/N 761064 (HS-HVF), MGB S/N A231-00624.

The attached SOAP analysis report history appears to show a marked elevation in Iron from 10.7 PPM to 14.2 PPM to now 25.9 PPM,

This SOAP was carried out per the standard 300 hour CH 5 requirement.

The A/C is serviced with Mobil 1 ATF. The oil has accumulated 582.0 hours. This is the 2nd SOAP for this oil fill.

TAS requests SA engineering comment regarding the possible source of Iron, and any guidance the rising trend and next maintenance steps, if any. EoM

This email notification is provided as the case has been reviewed and does not contain technical data in the issue description.

Problem Resolution:

The element Iron on the lab form is well below the SAC oil analysis data, and the key elements that can be the deciding factor to remove a gearbox from service which are Silver and Titanium are ultra low.

Engineering has no concerns with the elements in Main Gearbox S/N A231-00624, and there are no additional inspections required. Please have the customer continue monitor the elements, and provide CSE with the next 300 hour SOAP analysis form.

David P. McConnell

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