

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Friday, March 09, 2018 8:07 PM
To: Nattawut Wongyai
Cc: Grant Robinson; Jay Minor
Subject: 761063 MGB Pressure Adjust Approval

Hin

Following is the CSE response to my request to adjust pump pressure on HVE's MGB.

Case Number: C0089662
Customer: Thai Aviation Services Limited
Aircraft S/N: 761063
Aircraft Model: S-76D
Aircraft TT: 1,523
ATA: 63
Part Number: 76351-09600-046
Case Subject: 761063-Request For MGB Pump Pressure Adjustment

Problem Description:

Reference:
1) C0078542
2) C0089661

TAS report slightly low MGB oil pressure on A/C S/N 761063.

This low pressure correlates to the onset of the hot season in Thailand. This is the first hot season since the MGB was switched to Mobil 1 ATF.

The low pressure is evidenced by brief excursions into the 'yellow' range (49 PSI) when the throttles are retarded immediately after landing off shore.

Reviews of the HUMS data shows that a spike of a few degrees increase in MGB Oil Temperature occurs at landing, and that the normal procedure of retarding the throttles immediately upon touchdown coincides with this temperature spike.

These occurrences combine to cause a momentary drop in oil pressure to 49 PSI which results in caution advisory and its accompanying audible tone.

TAS believe that it is because of the increasing ambient temperatures at this time of year that these excursions into the 'yellow' are becoming more frequent.

In cruise, the MGB oil pressure remains normal and stable.

761063 A/C TT 1523.1
MGB P/N 76351-09600-046
S/N A231-00625 TSN 1523.1
Change to Mobil 1 ATF C/O 02 Sep. 2017 @ TSN 930.1

TAS request approval to carry out a one-time oil pressure adjustment on the Main Gear Box installed on A/C S/N 761063.

Case C0089661 has been submitted for an identical condition on A/C S/N 761060

EoM

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

Problem Resolution:

Service Engineering agrees with the recommended one-time adjustment of the oil pumps. Procedures were previously provided via Case C0078542.

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

David P. McConnell

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