

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Wednesday, February 08, 2017 2:47 PM
To: Grant Robinson
Subject: Use of Mobil 1 in S-76D Gearboxes
Attachments: Authorization Letter-Mobil 1 ATF-17-02-08.pdf

Grant;

Following is the CSE response to my FTR requesting approval to service S-76D gearboxes with Mobil 1 ATF.

Case Number: C0052457
Customer: Thai Aviation Services Limited
Aircraft S/N: 761XXX
Aircraft Model: S-76D
ATA: 12/63
Part Number: 76351-09600
Case Subject: Request For Letter To Change To Mobil 1 ATF

Problem Description:

Thai Aviation Services request a letter of no objection authorizing the use of Mobil 1 Synthetic ATF as the lubricant in MGB (76351-09600-Series), IGB (76357-75600-Series) and TGB (76358-75600-Series), in all TAS S-76D aircraft.

Current oil used is Royco 555.

Please provide a letter on Sikorsky letterhead addressed to Grant Robinson, Type Engineer Sikorsky Products, Thai Aviation Services.

Problem Resolution:

It has been reported back to SAC Engineering that many customers are using Mobil 1 ATF with great success in the Quiet Main Gearboxes. SAC Engineering does not recommend using any Dexron III oil as there is significant variation among all the different varieties that have historically certified to this specification. Also there is currently no approving authority for other than Dexron VI oils. SAC Engineering has three open actions currently on the books, 1) issuing an alternate specification to Dexron III to enable formal approval, 2) approval of an alternate commercial oil (currently considering Mobil VI) and 3) updating the seals to more modern material that are compatible with a wider variety of oils. Currently items 1 & 3 are active.

SAC Engineering does not object to the customer using Mobil 1 ATF in the S76 Quiet Main Gearbox P/N 76351-09600-050, and the Intermediate/Tail Gearboxes for all S-76D aircraft in the TAS fleet.

David P. McConnell

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