

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Monday, February 06, 2017 2:41 PM
To: Grant Robinson
Subject: Mobil 1 ATF in S-76C gear boxes

Log Number: 74702
FTR Number: 10615T049
Operator: Thai Aviation Services (CHC)
Aircraft S/N: 760XXX
Aircraft Model: S-76C++
Part ID: 76351-09600-Series
ATA: 66
FTR Subject: Request for authorization to use Mobil 1 Synthetic ATF

Problem Description:

Thai Aviation Services request a letter of no objection authorizing the use of Mobil 1 Synthetic ATF as the TGB (76358-05600-Series), IGB (76357-05600-Series), and MGB (76351-09600-Series) lubricant in all TAS S-76C+ / C++ aircraft.

Please provide a letter on Sikorsky letterhead addressed to Mr. Daryl Dixon, Maintenance Manager, Thai Aviation Services.

If necessary, please post to FSR-Thailand (Thailand) DocPak. EoM

Problem Resolution:

Dear Mr. Dixon,

It has been reported back to SAC Engineering that many customers are using Mobil 1 ATF with great success in the Quiet Main Gearboxes P/N 76351-09600-045/-046/-047/-050. 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 replacing their current Oil with Mobil 1 ATF in their gearboxes, including the Quiet Main Gearboxes P/N 76351-09600-045/-046/-047/-050.

David P. McConnell

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