

## Grant Robinson

---

**From:** Mcconnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Monday, February 06, 2017 2:36 PM  
**To:** Grant Robinson  
**Subject:** FW: MOBIL 1 ATF Use In P/N 76351-09600-045 MGB

---

**From:** McConnell, David P SIK  
**Sent:** Thursday, July 3, 2014 17:21  
**To:** Daryl Dixon <daryl\_d@tasl.co.th>  
**Subject:** MOBIL 1 ATF Use In P/N 76351-09600-045 MGB

Daryl;

Following is the most recent message traffic from Sikorsky CSE regarding use of Mobil 1 AFT in P/N 76351-09600-045 MGBs.

Log Number: 68097  
FTR Date: Jun 8 2014 9:58PM  
Aircraft S/N: 760XXX  
Aircraft Model: S-76  
Part ID: 76351-09600-045 Main Gearbox  
CSE: Bellone  
ATA: 66  
FTR Subject: Request to use Mobil 1 ATF

### Problem Description:

Customer requested a letter of no objection to use Mobil One Synthetic ATF in the MGB, IGB and TGB on all of our aircraft. We are aware that converting from one type of fluid to another requires flushing of the old fluid as per AMM chapter 12.

Letter is requested for the following reasons:

- 1 - The stipulation in the AMM which states only DOD-PRF-85734 lubricating oil is to be used in the -045 MGB.
- 2 - While it is currently being used in the S-76 by a large number of operators, Mobil 1 ATF is not listed in the S-76 AMM as an approved gearbox lubricant.

-EOR-

### Problem Resolution:

It has been reported back to SAC that many customers are using Mobil 1 ATF with great success found during overhaul. This is including in the -045 Main Gearbox.

SAC has also been told that many customers have gotten local approval to use Mobil 1 ATF since it was a Dexron III oil, even though it is no longer labeled. The issue in getting it formally approved is that there is no governing specification and certification since GM no longer performs the yearly approval of Dexron III oils.

Engineering's opinion is that the Mobil 1 ATF is the best oil to use for the S-76 gearboxes.

SAC engineering does not object to the customer replacing their present oil with the Mobil 1 ATF in their gearboxes.

Please do not hesitate to contact this office should further information be required.

**David P. McConnell**

Senior Field Service Representative  
Sikorsky Aerospace Maintenance  
BlackBerry +1 (203) 873-8552 (US)  
Efax +1 (860) 998-8791 (US)  
Cell +66 (0)8 7750-7920 (Thailand)