Grant Robinson

From: Mcconnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Wednesday, September 21, 2016 11:29 AM
To: Grant Robinson
Cc: Nakhon Supervisor Engineer; Russell Squires; Daryl Dixon; Brent Lomnes; Ashley Stotts; Ed Power; Boonchai Empremsilapa
Subject: S-76D Use of anti-seize on MRB attach bolts

Grant;

Per the below response to my FTR, CSE has revised their position regarding the use of anti-seize compound on S-76D MRB attach bolts.

Customer:	Thai Aviation Services Limited
Aircraft Serial Number:	761059
Aircraft Model:	S-76D
ATA:	62
Part Number:	76150-09300-041
Case Number:	C0039154
Title:	MRB Attach Bolts-Use Of Anti-Seize

Issue Description:
Reference S-76D AMM Task 62-10-01-900-801 – Removal/Installation Main Rotor Blades

The above referenced Task instructs the maintainer to install MRB attach bolts, but does not specify the use of an anti-seize compound on the bolt shanks.

The legacy C++ M/M CH 65-11-00 Para. 3.B. instructed the maintainer to apply MIL-A-907 anti-seize compound to the shank of the MRB attach bolts.

The response to FTR 51714T096 CRM Log ID 66732 strongly affirmed that the S-76D Task is correct as written, and that the attach bolts are to be installed dry.

It is noted that both A/C models use the same P/N 76102-08004-101/-102 attach bolts.

TAS is concerned that dry bolts will eventually corrode and seize in the hot, humid, salt air laden tropical environment found in Thailand.

TAS request SA approval to return to using MIL-A-907 anti-seize or a similar compound such as Cor-Ban27L, as specified by SA engineering, for S-76D MRB installations. EoM

Resolution:
Upon review of the Main Rotor Head installation drawings P/N 76000-09000 for the legacy A/C and the S76D, the -019 assembly is the installation for the S76D and it does not state to apply MIL-A-907 anti-seize or a similar compound such as Cor-Ban27L to the 76102-08004-101/-102 Blade Bolts for any of the S76 A/C.

Engineering was contacted to ask if the procedures in the C++ manual need to be removed due to no drawing coverage. Engineering's response was to leave the procedure in the manual, and engineering agrees that it is good practice to coat the bolt shanks with MIL-A-907. Engineering is going to add the anti-seize to the installation drawing, and then a SoundOff will be submitted to get this in the S76D AMM. The customer may coat the Blade Bolts shanks with MIL-A-907.

David P. McConnell
Senior Field Service Representative

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