

## Grant Robinson

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**Subject:** FW: Use of CPC and greases on MRH and MLG

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**From:** McConnell, David P SIK [<mailto:DMcConnell@SIKORSKY.COM>]

**Sent:** Tuesday, August 25, 2015 11:14 AM

**To:** Aaron Scally; Boonchai Empremsilapa; Grant Robinson; Yuthachai Saensook; Ong-arj Keomora; Ashley Stotts

**Subject:** RE: Use of CPC and greases on MRH and MLG

Aaron;

In response to your request below I submitted an FTR requesting approval to use Cor-Ban 27L in selected bolted connections on S-76 flight controls.

I did not request the use of MIL-G-81827 grease due to an absence of prior message traffic in my database regarding its use, making it considerably more difficult to obtain approval from Engineering particularly when Cor-Ban 27L has been shown to be an effective product in lieu of primer, Mastinox or CA1000, and has obtained Engineering approval.

Please advise this office if Cor-Ban 27L proves to be unsatisfactory in the applications approved below.

Log Number:	76309
FTR Number:	10615T104
FTR Date:	Jul 16 2015 4:35AM
Operator:	Thai Aviation Services (CHC)
Aircraft S/N:	760XXX
Aircraft Model:	S-76C++
Part ID:	76000-09300-045
Part Serial #:	N/A
CSE:	WELCHK
ATA:	20
Ref Docs:	1) FTR 51513T227 CRM log 64477 2) FTR 52213T193 CRM Log ID 64743 3) S-76C IPC CH 65-10-00 Fig. 1 It. 42/44 4) S-76C IPC CH 65-11-00 Fig. 1 It. 4
FTR Subject:	Use of Cor-Ban 27L on MRH Hardware

### Problem Description:

Further to the above referenced FTRs, TAS maintainers also report excellent results when using Cor-Ban 27L on the S-76C inboard damper bolts.

Bolts push out easily with hand pressure. Prior to the adoption of Cor-Ban 27L, seized bolts were normal.

TAS confirms that the same problem of seized hardware still exists on the outer damper bolts 76106-00701-102 (S-76C IPC 65-11-00 Fig. 1 It 4), and the pitch control rod attaching hardware NAS6608D47 and NAS464P8-42 (65-10-00 Fig. 1 It 42 and 44).

The M/M currently calls for either wet zinc chromate primer or Mastinox, both of which have proven unsatisfactory in TAS's operating environment.

TAS requests approval to use Cor-Ban 27L on the damper outer attach bolt and PCR attach hardware on TAS S-76 A/C as per the following response to FTR 52213T193 CRM Log ID 64743:

"SAC authorizes the use of Cor-Ban 27L outer damper bolts 76106-00701-102, and the pitch control rod attaching hardware, NAS6608D47 and NAS464P8-42." EoM

**Problem Resolution:**

Sikorsky engineering has reviewed the information in this log and agrees with the use of Cor-Ban 27L on outer damper bolts 76106-00701-102 and the pitch control rod attaching hardware, NAS6608D47 and NAS464P8-42 as long as the specific applications do not coat threads of the parts.

**David P. McConnell**

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