

## Grant Robinson

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**From:** Mcconnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Saturday, December 31, 2016 7:38 AM  
**To:** Grant Robinson  
**Cc:** Peter Bruce; Craig Roberts; Nakhon Supervisor Engineer  
**Subject:** 920279 Oil puddle in TR PCS

**Importance:** High

Grant;

Following is the CSE response to my request for engineering input regarding the oil puddle and appearance of grease found in 920279's TR PCS during the second 20-hour inspection. Please let me know if further information is required.

Case Number: C0049343  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 920279  
Aircraft Model: S-92A  
Aircraft TT: 574  
ATA: 64  
Part Number: 92358-06303-042  
Case Subject: ASB 92-64-010 TR PCS Bearing Oil Puddle

### Problem Description:

TAS A/C S/N 920279 is now undergoing compliance with the second 20-hour TR PCS inspection per ASB 92-64-010.

During the first 20-hour inspection the TGB was filled to the top and allowed to sit six hours per Section 3., Step (b) 2. of the ASB.

The A/C subsequently flew for 20 hours with no discrepancies.

The second 20 hour inspection has begun. The TGB has not yet been filled a second time.

Reference attached JPEG images

TAS maintainers pulled the plug at the end of the PCS and note oil puddling at the face of the TR PCS bearing.

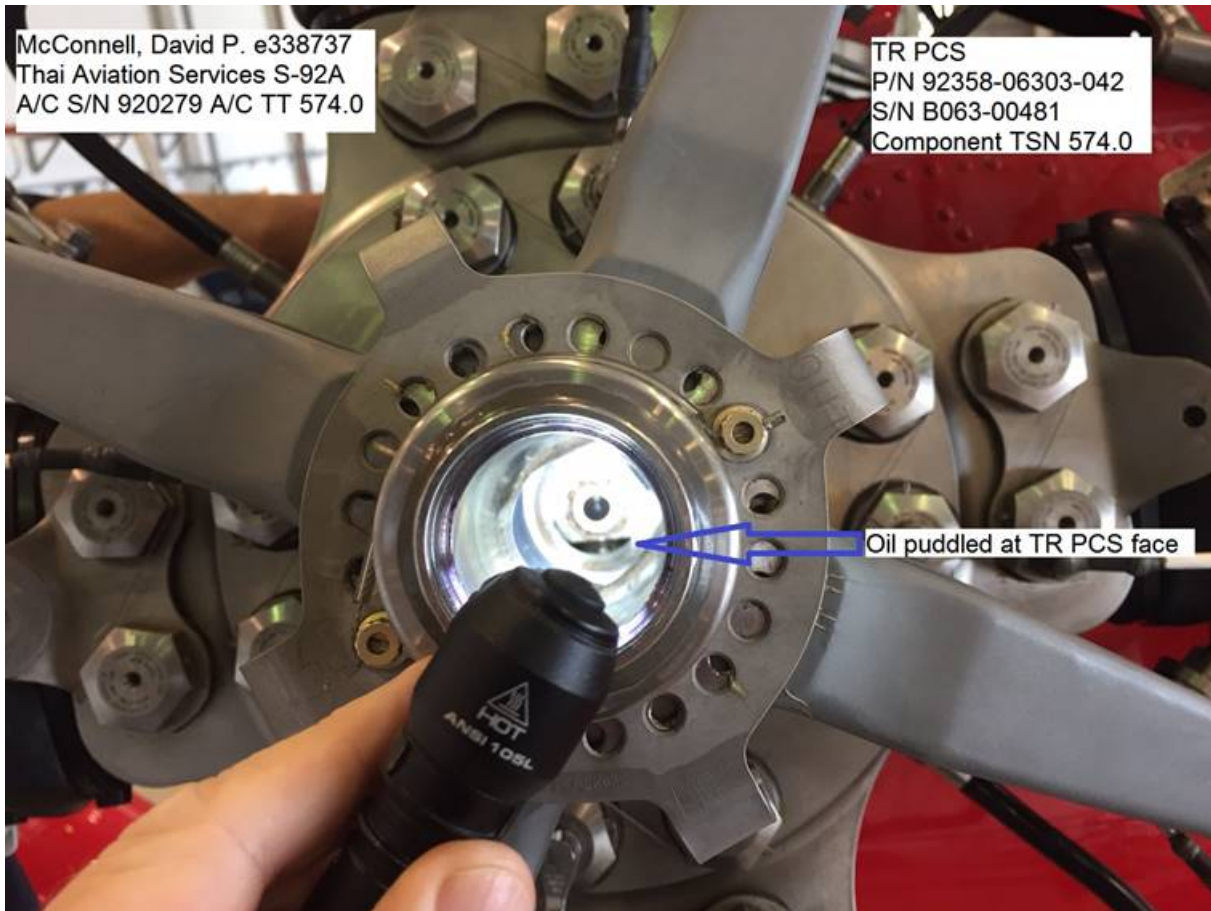
A borescope inspection of the opposite side of the bearing indicates an accumulation of wet, darkened grease.

TAS request confirmation that these visual indications are normal indications for a TGB that is being filled to the top and soaked periodically for six hours per the ASB.

A/C S/N 920279  
A/C TT 574.0  
Installed TR PCS  
P/N 92358-06303-042  
S/N B063-00481  
Component TSN 574.0  
EoM

### Problem Resolution:

Sikorsky Engineering states that we expect the oil to seep through the bearing over the six hour period, just as we expect it did during storage. The periodic procedure of filling with oil is to ensure that the bearing maintains lubrication in the condition where the grease has diminished. We remind that the procedure is temporary until a new PCS is available.



**David P. McConnell**

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