

## Grant Robinson

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**From:** Mcconnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Thursday, January 25, 2018 6:08 AM  
**To:** Nakhon Supervisor Engineer  
**Cc:** Grant Robinson; Mrazik, Philip; Atiporn Chiwcharoen  
**Subject:** S-76D Driveshaft Shield Crack Stop Drill

**Importance:** High

Khun Anusorn

Following is the CSE approval to stop drill the cracks in both engine driveshaft shields. Please note the requirement to re-evaluate the shield having the shorter crack in order to ensure that the stop drill is correctly located.

Case Number: C0085840  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 761060  
Aircraft Model: S-76D  
Aircraft TT: 1,729  
ATA: 63  
Part Number: 76201-77003-123  
Case Subject: Driveshaft Shield Crack-Request To Stop Drill

### Issue Description:

TAS A/C S/N 761060 is currently undergoing a scheduled maintenance inspection.

While undergoing maintenance two P/N 76201-77003-123 engine driveshaft were cannibalized to fit other A/C whose covers were found cracked. Case C0085704 refers.

Replacement shields are on AOG order from SCI, but none are in stock and a delivery date cannot yet be confirmed.

The A/C is scheduled to return to service by 28 JAN.

Reference attached JPEG images.

TAS has two shields previously removed for cracking per the Case, above.

Both shields are cracked circumferentially along the bead immediately aft of the forward band clamp. One crack is 0.50 inches long, the other is 1.5 inches long. Both cracks have been stop drilled.

In order to avoid a prolonged AOG event, TAS request SA approval on an AOG basis to install the two cracked and stop drilled shields on A/C S/N 761060 until such time as replacement spare parts can be received from SCI.

### Problem Resolution:

Sikorsky Engineering states the following:


Temporary stop drill is acceptable. Please re-evaluate the length of the shorter crack and stop drill again if necessary. Fire proof sealant should be applied along the cracks to uphold the integrity of the heat protection

function of the driveshaft covers.

This email notification is provided as the case has been reviewed and does not contain technical data in the resolution.

McConnell, David P e338737  
Thai Aviation Services S-76D  
A/C S/N 761060 A/C TT 1728.7

Engine Driveshaft Cover  
P/N 76201-77003-123



Crack 0.50  
inches long



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