

## Grant Robinson

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**From:** Mcconnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Friday, March 16, 2018 8:30 AM  
**To:** Nattawut Wongyai  
**Cc:** Grant Robinson; Mrazik, Philip; Atiporn Chiwcharoen; Gary Deveau  
**Subject:** S-76D Exhaust Duct Insulation Blanket Crack

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Per the request of Gary Deveau, following is a response from CSE regarding S-76D exhaust duct heat blanket cracking and deterioration.

I recommend obtaining a price and availability estimate from Phil for each blanket P/N in question.

Case Number: C0087915  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 761XXX  
Aircraft Model: S-76D  
Part Number: 99H42940-1  
Case Subject: Exhaust Duct Heat Blanket Damage-Request For Repair

### **Problem Description:**

Reference attached JPEG image

TAS maintainers report finding several exhaust duct heat blankets in their S-76D fleet with embrittlement and cracking of the inner insulation skin.

The TAS S-76D fleet times range from A/C TT 1062.9 to 1962.9.

Please provide damage limits and crack repair procedures in order to extend the service life of the P/N 99H42940-1 and -3, and 99H42940-1 and -3 SCI TAP asset blankets for as long as practicable. EoM

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

### **Problem Resolution:**

In speaking with the vendor, TIGHitco, Inc, there is no repair procedure that would cover this type of damage. Once the metal becomes oxidized to this level, it can no longer be resistance welded.

Although in-service limits have not been established, TIGHitco recommends blankets that exhibit damage of this extent be replaced.

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

Inner skin becoming very  
brittle and prone to cracking

Typical skin crack mode

Typical skin embrittlement and cracking seen in P/N 99H42940-series and  
99H42941-series heat blankets in the TAS fleet

**David P. McConnell**

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