

Grant Robinson

Subject: FW: S-92 Exhaust Duct Trailing Edge Cracks

On Feb 1, 2016, at 10:34 PM, McConnell, David P SIK <DMcConnell@SIKORSKY.COM> wrote:

Grant;

Following is CSE's response to my request for in-service crack limits for the trailing edge of S-92 exhaust ducts.

Log Number: 80737
FTR Number: 10616T016
FTR Date: Jan 28 2016 4:46AM
Operator: Thai Aviation Services (CHC)
Aircraft S/N: 920XXX
Aircraft Model: S-92A
Part ID: 92308-04202
Part Serial #: N/A
CSE: GoldsonB
ATA: 78
Ref Docs: 1) Attached JPEG image
2) FTR 10615T167 CRM Log ID 79504
3) FTR 10616T013 CRM Log ID 80494
FTR Subject: Exhaust Duct T/E Cracks-Request For In-Service Limits

Problem Description:

TAS is experiencing increasingly more frequent instances of cracking of the trailing edge of P/N 92308-04202-04X exhaust ducts. Reference attached JPEG image for typical locations.

FTRs 10615T167 CRM Log ID 79504 and 10616T013 CRM Log ID 80494 refer to two recent instances.

AMM Exhaust Duct Inspection Task 78-11-01-210-001 states no cracks are allowed.

Due to high unit costs, TAS does not keep serviceable spare exhaust ducts in stores. Discovery of any cracking creates an engineering and logistic emergency.

In order to avoid repeated AOG FTRs and AOG situations, with associated costly downtime TAS requests blanket approval for continued operation of exhaust ducts having edge cracks, with the following limitations:

- 1) No more than three trailing edge cracks around the periphery of the exhaust duct outlet.
 - 2) No crack to be greater than 2.0 inches in length.
 - 3) No branching or missing pieces permitted.
 - 4) Crack(s) to be FPI'd to determine length, stop drilled with a .098 drill, and inspected daily until a serviceable spare unit can be installed.
- EoM

Problem Resolution:

FSR is to insure that the Customer is aware of the repair stated in AMM-78-11-01-300-001 .

If this is not available to the customer, they are authorized to continue operations with the four limitations stated in the original problem statement for 30 days or until a replacement comes, whichever comes first.

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<image001.png>

<image004.jpg>

TAS web portal : <http://saas.tasl.co.th>

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***Leadership and Accountability – One of the twelve elements of TAS's Integrated SMS ***

At TAS we reinforce our safety culture through integrity, leadership and individual responsibility. Everyone is a stakeholder in safety.