

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Thursday, January 25, 2018 9:40 PM
To: Grant Robinson
Cc: Thomas Jacobson; Atiporn Chiwcharoen; Mrazik, Philip
Subject: Dent repair exhaust ejector S/N 063-0021

Grant

Following is CSE's approval and recommendation for dent repair on exhaust ejector S/N 063-0021.

Case Number: C0085955
Customer: Thai Aviation Services Limited
Aircraft S/N: 761XXX
Aircraft Model: S-76D
ATA: 78
Part Number: 76308-77003-047
Case Subject: Exhaust Duct Dents Remove-Request For Approval

Problem Description:

TAS reports finding exhaust duct P/N 76308-77003-047 S/N 063-0021 with multiple dents as follows:

- 1) 4 inch x 2 inch x 0.125 inch deep
- 2) 2.5 inch diameter x 0.125 inch deep
- 3) 5.5 inch x 4.5 inch x 0.1875 inch deep
- 4) 4 inch x 3 inch x 0.125 inch deep

The origin of the dents is unknown. All dents are smoothly dished with no kinks or creases in the parent metal.

The TAS structures shop has prior experience in dent removal from thin gauge stainless steel.

They believe the noted dents can be removed locally by a shrinking process using a hardwood block and other low, or no-impact procedures, resulting in a potential savings to the TAP program.

- 1) TAS requests SA concurrence with their plan to remediate the dents.
- 2) Please advise any recommended additional procedures. EoM

Problem Resolution:

- 1) SA concurs with the proposed plan to repair the dented exhaust duct.
- 2) Please NDI for cracks once the dents have been removed as there is a chance that the parts might crack during this rework.

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

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