

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Wednesday, November 01, 2017 9:35 AM
To: Grant Robinson
Cc: Thomas Jacobson
Subject: S-76D TRB Polyurethane Abrasion Strip Damage

Grant

This office has been made aware of several recent instances of S-76D TRB polyurethane abrasion strip damage, resulting in subsequent unscheduled maintenance required to remove and repair the TRB.

Examination of the removed TRB's indicates that the abrasion strip damage is caused by a failure of tape adhesion to the TRB surface in certain areas.

Composite Materials Manual T-Rev 65-05, Section 65-25-00 Repair Procedure No. 1 – Leading Edge Polyurethane Tape Repair – Paragraph 3.A.(1) Step (a) 5 instructs the maintainer to spray or brush on adhesion promoter No. 86 on the bond area prior to application of the polyurethane tape.

Examination of TRB's recently removed for abrasion strip disbond confirms that the No. 86 adhesion promoter is not creating an adequate bond, particularly on the outboard aft corner of the abrasion strip.

By this letter this office approves the use of Hysol EA9309.3NA in lieu of adhesion promoter No. 86 on all S-76D TRB polyurethane abrasion strips.

For tracking purposes please report to this office each TRB S/N having the Hysol applied in lieu of adhesion promoter No. 86.

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