Docket No. SA-520

Exhibit No. 17-G

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

Excerpts from BCAG Twin Jet Technical Focus Report

(2 Pages)

ATA CHAPTER: 27 ORIGINATION DATE: October 27, 1995

REPORT NO.: TWT-27-005

SUBJECT: ELEVATOR SECTOR BEARINGS, PART NUMBER

(P/N) ZWKP21BS-SK2

DESCRIPTION & BACKGROUND INFORMATION:

Aeroshell 33 grease is currently available and approved on Boeing products. It is requested that Douglas approve the use of this grease as an alternative or replacement for the currently used multi-purpose grease conforming to MIL-G-81322.

CURRENT PROGRESS

A preliminary review of the specifications has revealed a difference in the operating temperature ranges of the Aeroshell 33 and MIL-G-81322 greases. The operating temperature range for Aeroshell 33 is -100 to 250 degrees F and the range for MIL-G-81322 is -65 to 350 degrees F. The 100-degree F differential at the upper temperature limit could result in Aeroshell 33 being restricted from use in certain areas of the airplane.

Boeing has received the independent laboratory testing results for the Aeroshell 33 and Mobile 28 greases. A preliminary review of the results confirms the noted operating temperature differences between the two greases and reveals that Mobile 28 grease tests somewhat better for water wash-out resistance.

Due to the differences noted above, Boeing cannot approve the use of Aeroshell 33 grease for all applications on Douglas Products. Boeing has in the past issued a No Technical Objection (NTO) for the limited use of Aeroshell 33 on Douglas Products.

Boeing does not recommend mixing different types and brands of grease. When a change is made from one grease to another, the old grease should be removed. If the disassembly of the parts to remove the old grease is not practical, pump the new grease into the lube fitting that services the area being lubricated until no trace of the old grease can be visually detected exiting with the new grease.

At operator's request, Boeing can issue an NTO for the limited use of Aeroshell 33 grease on Douglas Products.

PLANNED ACTION DURING REPORTING PERIOD:

None

SCHEDULED COMPLETION DATE:

Closed

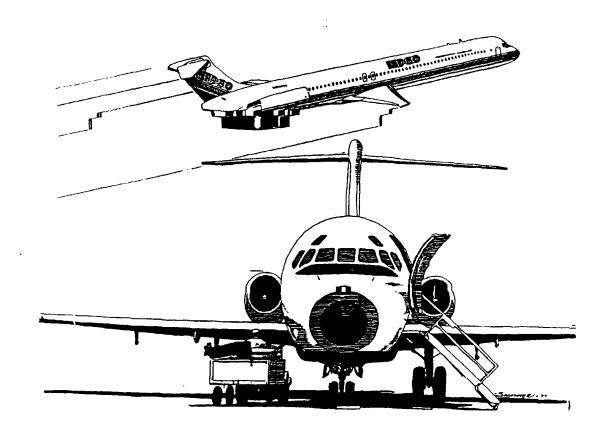


BOEING COMMERCIAL AIRPLANE GROUP LONG BEACH DIVISION

Service Engineering

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TWIN JET TECHNICAL FOCUS REPORT



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