

Bell Helicopter **TEXTRON**

A Subsidiary of Textron, Inc.

August 7, 2000

INFORMATION LETTER 407-00-52

TO: All Owners/Operators of Bell 407 Series Helicopters

SUBJECT: 407 OIL COOLER BLOWER VIBRATION

This Information Letter is issued to advise Bell 407 operators of the potential for increased vibration of the oil cooler blower assembly if complete maintenance practices are not followed.

It has been observed that in the 407, the oil cooler blower will ingest grease expelled from the oil cooler shaft bearings. The scheduled lubrication interval may result in a continuous supply of expelled grease, which may adhere to the impeller, attracting dirt and resulting in a high frequency vibration. One operator reported a very high vibration that was reduced to satisfactory level after merely cleaning the blower assembly.

Bell Helicopter recommends regular cleaning of the oil cooler and the oil cooler blower assembly especially if vibration is felt, or suspected in the area of the blower assembly. Special attention should be given to protect the fan shaft bearings while the blower is being cleaned. The cleaning frequency should be adjusted as necessary to accommodate your environmental operating conditions.