

Bell Helicopter **TEXTRON**

A Subsidiary of Textron, Inc.

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INFORMATION LETTER 222-02-16
222U-02-11
230-02-06
430-02-30

TO: All 222/230/430 Series Helicopters Owners/Operators

SUBJECT: HYDRAULIC HOSE INSPECTION

This information letter is issued to advise owners and operators of a recent occurrence affecting the hydraulic system "pressure" hose P/N 70-012H000Y264 (pump to hydraulic module) used on the model 430 helicopter.

Bell Helicopter Textron received a report of in flight loss of number 2 hydraulic system pressure. Further inspection revealed that hose P/N 70-012H000Y264 had been chafing for some time on the inner surface of the transmission forward cowling P/N 430-061-829-101. This condition resulted in a major fluid leak at hose P/N 70-012H000Y264.

Shortly thereafter, Bell Helicopter Textron received a similar report from a model 222 operator concerning hose P/N 70-012H000V210 which is used for the same application (pump to hydraulic module) on the 222 series and 230 helicopters.

Operators are reminded that inspection of the hydraulic hoses for condition, leakage and signs of chafing with other helicopter components is specified in the 150 hour scheduled inspection contained in the aircraft maintenance manual and in the preflight check contained in the rotorcraft flight manual. Hydraulic hoses with evidence of damage must be replaced prior to further flight.

Operators are also reminded that the 222/230/430 series helicopters use hydraulic pumps that rely on hydraulic fluid for both lubrication and cooling. Therefore, whenever a hydraulic pump is "run dry" following the loss of all the hydraulic fluid, the pump must be removed and sent to the pump manufacturer for disassembly, inspection and repair.