

ROBINSON HELICOPTER COMPANY

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R22

SERVICE BULLETIN #66

DATE: 19 April 1991
TO: R22 Owners and Service Centers
SUBJECT: Vee Belt - Lower Sheave Inspection
ROTORCRAFT AFFECTED: R22 Helicopters S/N 0002 thru 1770
TIME OF COMPLIANCE: Prior to next flight.

BACKGROUND:

There have been incidents of the vee-belts rolling in the sheave grooves and then breaking or coming off. This can be caused by a particular set of belts or by rough or corroded grooves in the sheave. Experience at RHC has determined that the compatibility of a belt-sheave combination can be determined by visual inspection and comparison of the wear patterns in the lower sheave grooves.

COMPLIANCE PROCEDURE:

Without removing any component, observe the wear patterns in the paint primer in all four grooves of the lower vee-belt sheave. The wear patterns on both sides of all four grooves should appear very similar.

If the wear pattern is noticeably different from groove to groove, immediately ground the aircraft and inspect the sheaves and replace the vee belts per Service Letter 39. If the wear patterns are all similar, no further action is required.

In either case, be sure to enter in the aircraft maintenance records that SB #66 was complied with.