

R44 Series and R66 SAFETY ALERT

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HYDRAULIC CONTROLS PRE-TAKEOFF CHECK

RHC has received a report of hydraulic controls becoming stiff in flight. One of the three hydraulic servos was found to have excessive internal wear resulting in the servo moving too slowly in one direction. The following pre-takeoff check confirms that all three servos are able to move rapidly in both directions.

In addition to the Normal Procedures hydraulic system check described on page 4-8 of the Pilot's Operating Handbook, perform the following:

With helicopter at governed flight RPM and collective full down, position cyclic approximately 1 inch aft of neutral. Move cyclic rapidly forward approximately 2 inches, then rapidly aft approximately 2 inches. There should be no feel of resistance (no feeling similar to hydraulics off).

NOTE

This check does not need to be a continuous fore-aft motion. A pause between the fore and aft motion is acceptable. Feeling resistance indicates a servo is moving too slowly. A short video demonstrating the check is available on the Robinson website www.robinsonheli.com.

If resistance is felt, do not fly. Have maintenance personnel contact RHC technical support.