

R22 SAFETY ALERT

Issued: 1 December 2004

EXCEEDING MANIFOLD PRESSURE LIMITS **CAN CAUSE BLADE FAILURE**

An A016-2 main rotor blade failure recently occurred at only 700 hours time in service. Although R22 blades have a 2200 hour service life, repeated over-stressing can substantially reduce blade fatigue life. Exceeding manifold pressure limits produces excessive stress and can result in premature fatigue failure.

WARNING

29310. If the helicopter has been occasionally operated above manifold pressure limits, replace main rotor blades.
29311. If the helicopter is normally parked outside in humid climates, particularly in tropical or coastal areas, replace A016-2 main rotor blades prior to 5 years time in service due to possible internal corrosion.
29312. If main rotor vibration increases during flight, make an immediate safe landing and determine the cause of vibration before further flight. If cause cannot be determined, replace main rotor blades before further flight.

Reread Safety Notices SN-37 and SN-39.