

R44 RAVEN II
REVISED SAFETY ALERT

Issued: 25 June 2008

Revised: 15 April 2009

HOT WEATHER OPERATION

RHC received a report of unexplained engine power loss in a new R44 Raven II during its ferry flight from the factory. The power loss occurred in ambient conditions of approximately 100°F. Initially, fuel system vapor was a suspected cause, and RHC recommended restricting operations to temperatures below 105°F. Subsequent factory tests have shown satisfactory operation in ambient temperatures up to 115°F (46°C).

Pilots should be aware of the potential for fuel system vapor in high ambient temperatures. Also, higher altitude increases the likelihood of fuel system vapor.

An intermittent or flickering auxiliary fuel pump warning light may be an early indication of vapor formation. If vapor formation is suspected, decrease altitude and/or discontinue operations until cooler conditions exist.