

DEPARTMENT OF THE INTERIOR – AVIATION MANAGEMENT
AIRCRAFT RENTAL AGREEMENT PROVISIONS: SUPPLEMENT NO. 13
HELICOPTER MAINTENANCE - STATE OF HAWAII

B8.13.1 GENERAL – Refer to Section B1

B8.13.2 OPERATIONS – Refer to Section B2

B8.13.3 PERSONNEL REQUIREMENTS – Refer to Section B3

B8.13.4 EQUIPMENT REQUIREMENTS – Refer to Section B4

B8.13.5 AVIONICS REQUIREMENTS – Refer to Section B5

B8.13.6 MAINTENANCE REQUIREMENTS

B8.13.6.1 A list of applicable FAA AD's and required MMSB's on the make and model of aircraft offered shall be made available by the vendor at the time of the initial DOI inspection. The list shall be similar to that shown in FAA Advisory Circular AC 43-9B. The signature of the person verifying compliance and the accuracy of the list is required.

B8.13.6.1.1 The Vendor shall provide, at the time of the initial DOI inspection, a list of all items installed on the aircraft which are required to be overhauled or replaced on a specified time basis. This list shall include the component names, serial numbers, service life (or inspection/overhaul time), total time since major inspection/overhaul, and time remaining on the components.

B8.13.6.2 Additional Maintenance Requirements for Helicopters Operating on the Island of Hawaii

B8.13.6.2.1 The following requirements are established to insure that sulfidation and corrosion does not compromise flight safety.

B8.13.6.2.2 **Turbine Engine Power Assurance Check.** The first day of operation and no more than each ten hours of operation thereafter, a power assurance check shall be performed. The power assurance check shall be accomplished in accordance with the helicopter flight manual (pilots operating handbook) or approved company performance monitoring program. The results shall be recorded and kept in the helicopter or at the designated base. Engines with power output below minimum approved limits shall be removed from use until the cause of the low power condition is corrected.

B8.13.6.2.3 Engine internal washing shall be accomplished following the last flight of the day. To prevent centrifuging of the cleaning solution, the wash should be accomplished while the engine is motored by the starter at low RPM.

B8.13.6.2.4 On Allison turbine engines, the turbine outer combustion shall be removed each 300 hours. Turbine wheels shall be inspected for corrosion, pitting, and erosion as per the Manufacturer's Maintenance Manuals.

B8.13.6.2.5 All components shall be overhauled or repaired only by a manufacturer's authorized overhaul/repair facility or an FAA Repair Station.