



RWMI DHC-6 RE-LIFE WING BOX™ WITH LONGER LIFE LIMITS

FACT SHEET

PRODUCT: RWMI DHC-6 RE-LIFE WING BOX™

APPLICABILITY: Viking de Havilland DHC-6-100/-200/-300 Twin Otter Airplanes

AUTHORIZATIONS: United States (FAA STC No. SA00160LA), Canada (TC STA No. SA-96-65) European Union (EASA STC No. 10053323), Australia (CASA).

DESCRIPTION: The IKHANA RWMI DHC-6 Re-Life Wing Box™ is a de Havilland approved re-manufactured wing box which has replaced old fatigue critical components (i.e. wing attachment, lower skins, stringers, spar caps, hinge arms, etc.) with new components. The result is a “zero-timed” wing box with a new data plate and new life limits. The RWMI DHC-6 Re-Life Wing Box™ has identical inspection and maintenance requirements as a new DHC-6 wing box. Installation on the aircraft is accomplished in accordance with DHC Service Bulletin No. 6/362 as an alternative to Modification No. 6/1630.

LIFE LIMITS: Series -100/-200: **49,000 HOURS / 98,000 CYCLES**
Series -300: **45,000 HOURS / 90,000 CYCLES**

MAINTENANCE/INSPECTION REQUIREMENTS: Same as de Havilland PSM 1-6-2, PSM 1-63-2, PSM 1-6-5, PSM 1-6-7, and PSM1-6-11 with the following intervals:

Series -100, -200:

- Up to 49,000 Hours/98,000 Cycles – same as de Havilland intervals.

Series -300:

- Up to 33,000 Hours/66,000 Cycles – same as de Havilland intervals using RWMI Drawing WR6-1000-ICA.
- After 33,000 Hours/66,000 Cycles – visual inspections each 1,500 hours/3,000 cycles/ 12 months using RWMI Drawing WR6-1000-ICA/LE.

MODIFICATION STATUS: RWMI DHC-6 RE-LIFE WING BOXES™ include the following modifications:

- Mod. No. 6/1301 – Incorporation of new rear spar cap (7075-T7351) (ref. S/B No. 6/295).
- Mod. No. 6/1752 – Wing restraint tension rod installation (ref. S/B No. 6/469).
- Mod. No. 6/1868 – Introduction of additional drain holes (ref. S/B No. 6/485).
- Mod. No. 6/1869 – Installation of inspection holes in lower wing skin (ref. S/B No. 6/486).
- Mod. No. 6/1871 – Introduction of flap hinge arm inspection panels @ WS310.0 (ref. S/B No. 6/489).
- Mod. No. 6/1873 – Introduction of flap hinge arm inspection panels @ WS97.5 and WS 172.5 (ref. S/B No. 6/498).
- Mod. No. 6/1883 – Introduction of alternate access hole plugs – change of materials change (ref. S/B No. 6/499).
- Mod. No. 6/1887 – Introduction of steel adaptor fitting (ref. S/B No. 6/500).
- Mod. No. 6/1645 and 6/1893 – Lower skin and leading edge rivets @ front spar replacement (ref. S/B No. 6/517).
- S/B No. 6/542 – Installation of new wing front spar adaptor assembly (P/N C6WM1027-3).

E-Mail: Sales@IKHANAGroup.com

Information subject to change without notice. (1508)

IKHANA Aircraft Services

37260 Sky Canyon Drive, Hangar 20, Murrieta, California 92563

T 951-600-0009 **F** 951-600-1005 **www.IKHANAGroup.com**