

KOKU-KU-KI-286

No. TCD-7494-1-2009

Date of Issue: July 16, 2009

Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to : Kawasaki BK117 C-2 helicopters

2. Compliance is required as indicated, unless already accomplished.

To prevent failure of the Intermediate Gear Box (IGB) and consequent loss of control of the helicopter result from a significant reduction of the life limit of the bevel gear of IGB because tooth foot fillets of the bevel gear are below the required minimum values, accomplish the following.

2.1 Before next flight after the effective date of this AD, determine the serial number(S/N) of part number (P/N) 4639-310-065 bevel gear installed in the IGB, in accordance with the instructions of Kawasaki Service Bulletin No.KSB-117-307A, or any further JCAB-approved revision (hereinafter referred to as SB).

2.2 If, as a result of the determination required by paragraph 2.1 of this AD, no bevel gear with one of the S/N listed in table 1 of SB is installed, no further action is required by this AD.

2.3 If, as a result of the determination required by paragraph 2.1 of this AD, a bevel gear with one of the S/N listed in table 1 of SB is installed, the associated reduced life limit must be entered into the list of life-limited parts and in the log card of the IGB in accordance with the instructions of SB.

2.4 If, as a result of the action required by paragraph 2.3 of this AD, a bevel gear which has already exceeded its reduced life limit is found, the bevel gear must be replaced with a serviceable one in accordance with the instructions of SB before next flight.

2.5 An alternative means of compliance with this AD may be used, if approved by the Director-General of JCAB.

### 3. Remarks

3.1 This AD becomes effective on July 30, 2009.

3.2 This AD revises a part of TCD- 7494-2009 dated June 20, 2009. The revised part corresponds to the underlined part, the part which is not underlined is non-revised part. Therefore, regarding non-revised part, execute the inspection, the repair, the exchange, the modification or etc. in the compliance time which is indicated on pre-revised AD.

3.3 Kawasaki Service Bulletin No.KSB-117-307A dated July 3, 2009 and later JCAB approved revisions pertain to this subject.

This is the English translation. In case of any difficulty, refer to the Japanese original text.