



A Textron Company

## **ALERT SERVICE BULLETIN**

**505-18-10**

27 July 2018

Revision A, 9 May 2022

**MODEL AFFECTED:** 505

**SUBJECT:** JET B AND JP-4 FUELS FLIGHT MANUAL  
LIMITATION, CHANGE OF

**HELICOPTERS AFFECTED:** Serial numbers 65011 through 65134.

[Serial number 65135 and subsequent will have the intent of this bulletin accomplished prior to delivery.]

**COMPLIANCE:** Within 30 days upon receipt of this bulletin.

### **DESCRIPTION:**

Following engineering analysis to add additional approved fuel types to the Model 505 type certificate, a discrepancy in an original report was noted. The re-evaluation of the subject findings demonstrated that for wide cut fuels such as Jet B and JP-4, the present altitude limitations published was set at too high of an altitude.

This Alert Service Bulletin (ASB) introduces a change to the Rotorcraft Flight Manual (RFM) Section 1, Figure 1-6. This change to the limitations section is introduced in conjunction with the release of BHT-505-FM-1 Rev.3.

**Revision A** of this bulletin is to supersede this ASB to the ASB 505-22-28 that mandates the insertion of Figure 1-6 introduced at Revision 5 of the BHT-505-FM-1 Rotorcraft Flight Manual (RFM). The Revision 5 of the RFM introduced more stringent limitations to Figure 1-6 for starting at certain altitudes, ambient temperatures, and fuel specifications.

### **APPROVAL:**

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

ASB 505-18-10-RA

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Approved for public release.

**CONTACT INFO:**

For any questions regarding this bulletin, please contact:

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**MANPOWER:**

Approximately 0.5 man-hours are required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

**WARRANTY:**

There is no warranty credit applicable for parts or labor associated with this bulletin.

**MATERIAL:**

**Required Material:**

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>
BHT-505-FM-1 Rev.3	505 Rotorcraft Flight Manual Revision 3	1

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

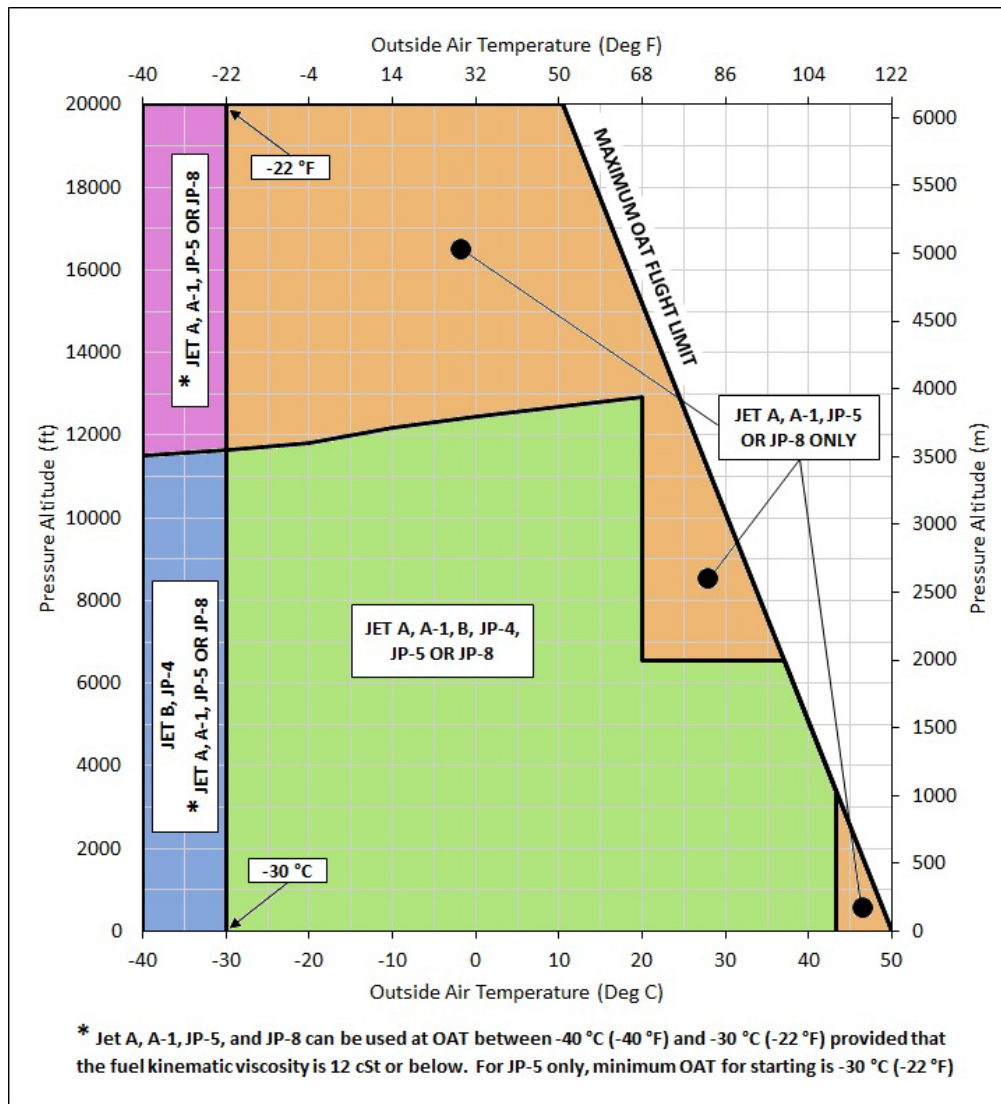
BHT-505-FM-1 Rotorcraft Flight Manual Rev. 3

**PUBLICATIONS AFFECTED:**

BHT-505-FM-1 Rotorcraft Flight Manual Rev. 2

## ACCOMPLISHMENT INSTRUCTIONS:

1. Insert BHT-505-FM-1 Rev.3 into the BHT-505-FM-1 Rotorcraft Flight Manual.
2. Make sure to communicate the content of the revised fuel table for wide cut fuels such as Jet B and JP-4 to the model 505 pilots.
  - a. In the interim to receiving the revised fuel table content, a sample copy of the revised Figure 1-6 has been included for your familiarization.



3. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.