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## **ALERT SERVICE BULLETIN**

**505-22-28**

9 May 2022

**MODEL AFFECTED:** 505

**SUBJECT:** ROTORCRAFT FLIGHT MANUAL BHT-505-FM-1  
FIGURE 1-6 FUEL OPERATING ENVELOPE  
(REVISION 5), INSERTION OF.

**HELICOPTERS AFFECTED:** Serial numbers 65011 through 65169, and 65171  
through 65290.

[Serial numbers 65291 through 65300 will have the  
intent of this bulletin accomplished prior to delivery.]

[Serial numbers 65170, and 65301 and subsequent  
are not affected by this bulletin.]

**COMPLIANCE:** Within 30 days following the release date of this  
bulletin.

### **DESCRIPTION:**

This Alert Service Bulletin (ASB) supersedes ASB 505-18-10.  
This ASB is being released to require the insertion of a revised Figure 1-6 of Section 1  
of the BHT-505-FM-1 Rotorcraft Flight Manual (RFM) that was introduced at Revision 5  
of the RFM that included more stringent fuel operating envelope limitations for starting  
at certain altitudes, ambient temperatures, and fuel specifications (Figures 1 and 2).

### **APPROVAL:**

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

**CONTACT INFO:**

For any questions regarding this bulletin, please contact:

Bell Product Support Engineering  
Tel: 1-450-437-2862 / 1-800-363-8023 / productsupport@bellflight.com

**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 Revision 5 | Rotorcraft Flight Manual (RFM) | 1 (1)             |

**NOTE 1:** Paper copies of the BHT-505-FM-1 RFM may be acquired by contacting [publications@bellflight.com](mailto:publications@bellflight.com) or copies may be printed from the [www.mybell.com](http://www.mybell.com) portal from the "Latest Revisions" link under the 505 model (Figure 3).

**Consumable Material:**

None required.

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

BHT-505-FM-1 Rotorcraft Flight Manual Revision 5 dated 30 October 2019.

**PUBLICATIONS AFFECTED:**

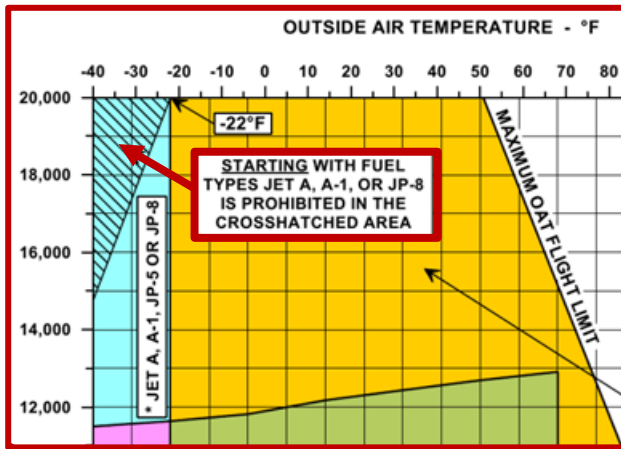
BHT-505-FM-1 Rotorcraft Flight Manual, Revisions prior to Revision 5.

**ACCOMPLISHMENT INSTRUCTIONS:**

-NOTE-

To acquire paper copies of the required Rotorcraft Flight Manual revisions, or to verify revision distribution registration, contact Technical Publications at [publications@bellflight.com](mailto:publications@bellflight.com). Copies of the required RFM revisions may be printed from the [www.mybell.com](http://www.mybell.com) portal (Figure 3).

1. Verify revision status of Figure 1-6 of Section 1, Limitations, of the BHT-505-FM-1 Rotorcraft Flight Manual (RFM) of the affected helicopter.
  - a. If the revision of the Figure 1-6 is Revision 5 dated 30 October 2019 (Figures 1 and 2), go to step 2.
  - b. If the revision status of the Figure 1-6 is not Revision 5, remove Figure 1-6 from the RFM and insert Revision 5 of the Figure 1-6 into the RFM.
    - (1) For owner/operator convenience, a printable version of Figure 1-6 Revision 5, in the correct RFM size and format, is available in this bulletin (Figure 2).
2. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.



BHT-505-FM-1

TC APPROVED

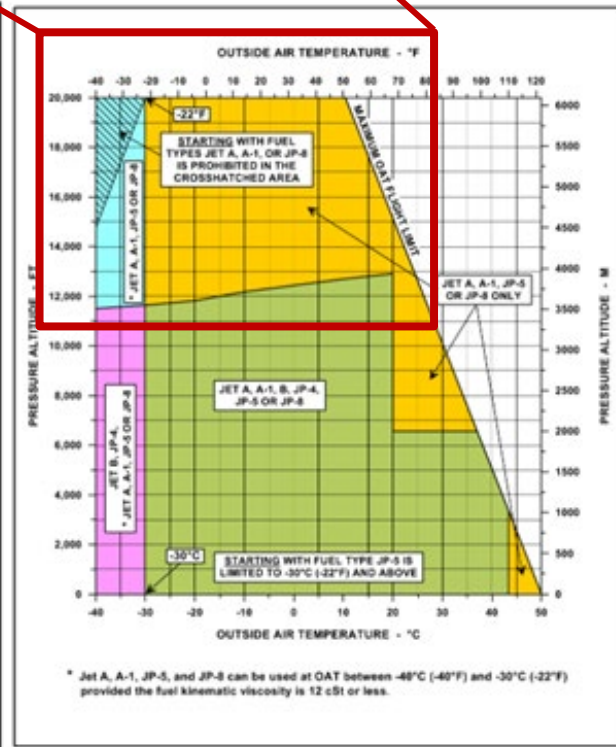


Figure 1-6. Fuel operating envelope

1-16 Rev. 5 30 OCT 2019

Export Classification C, ECCN EAR99

Figure 1 – Fuel Operating Envelope (Figure 1-6 of BHT-505-FM-1 RFM) Limitation Changes

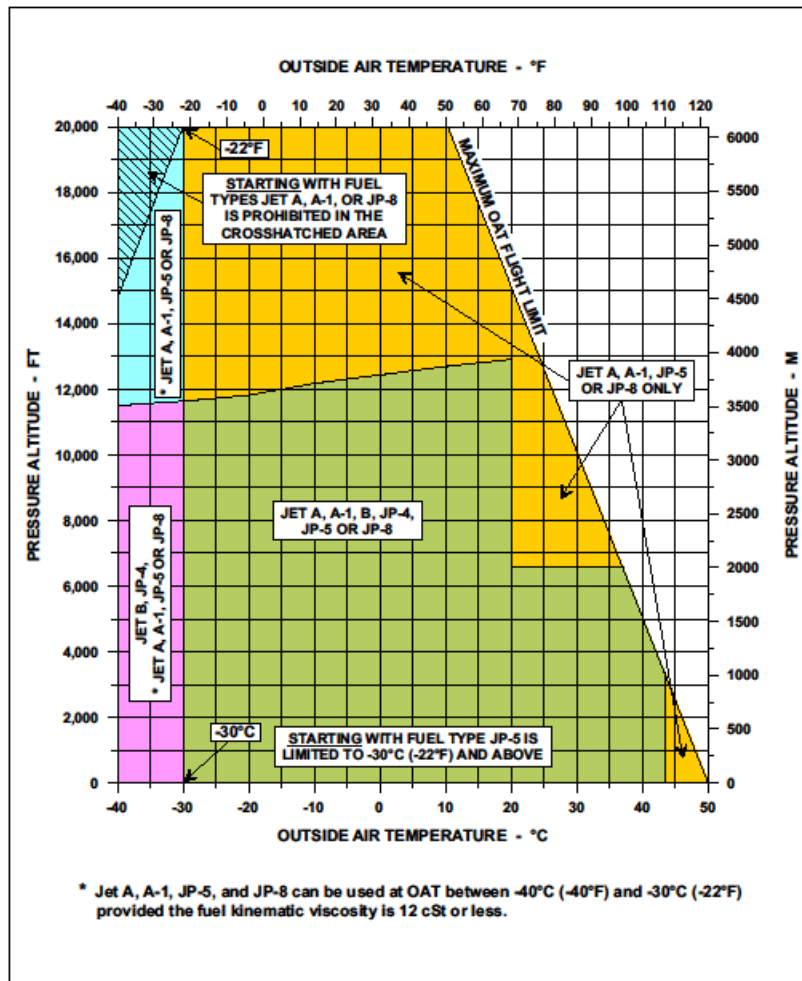


Figure 1-6. Fuel operating envelope

Figure 2 – Printable Figure 1-6 Fuel operating envelope (Revision 5)  
(Print and cut on dotted lines and insert into RFM)

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### 505 - Revisions - Flight Manual

- [505-FM-1-ANAC - Rev. 1 Only - Flight Manual Title Page for Helicopters Registered in Argentina](#)  
Rev.1 - 13-May-2020
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Basic Issue: 30-Oct-2019
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Rev. 2 - 21-Sep-2021
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Rev. 4 - 03-May-2019
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Rev.2 - 22-Mar-2018
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Rev. 1 - 22-Nov-2017

**Figure 3 – Accessing 505 Technical Publication “Latest Revisions”**