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ICS 49.020
CCS V04

HB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HB 8677-2023

Calculation method of aircraft integral fuel tank oil pressure load

飞机整体油箱油压载荷计算方法

(English Translation)

Issued on: December 20, 2023 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative References
2.1 Terms
3 Terms and Definitions
4 Overview
4.1 General requirements
5 Technical Requirements
6 Calibration conditions
6.1 Environmental conditions
6.2 Measurement standards and other equipment
7 Calibration items and calibration methods
7.1 Calibration Items
7.2 Calibration method
8 Expression of calibration results
9 Recalibration interval

1 Foreword

HB 8677-2023 was issued by Ministry of Industry and Information Technology of the People's Republic of China on 20 December 2023 and has been in force since 1 July 2024.

The HB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the oil pressure load and the calculation method of the oil pressure load that should be considered for the integral fuel tank of transport aircraft. This standard is applicable to the structural design and strength analysis of the overall fuel tank of transport aircraft under the action of oil pressure load. Other types of aircraft may refer to this standard.

HB 8677-2023 falls under ICS 49.020, in the field of aircraft and space vehicle engineering.

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This catalogue holds 64 other HB standards in that field.

In this catalogue, HB standards carry edition years from 2012 to 2025.

3 About this standard

Sector: Aviation Industry Standard

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 38905-2020 - Type designation for civil unmanned aircraft system

GB/T 38239-2019 - Service specification for space science data products

GB/T 36249-2018 - Model based aviation equipment research and development-Technical data package

HB 8732-2023 - Ground taxiing test method for light and small fixed-wing unmanned aerial vehicle system

HB 8704-2023 - Electromagnetic interference path loss test method for portable electronic equipment on civil aircraft

HB 8678-2023 - Method for determining allowable values for aircraft composite laminate structural design

5 Classification and status

International classification (ICS): 49.020

Chinese Standard Classification (CCS): V 04

Prefix HB: mandatory standard.

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