Chinastandards.org

MH

INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

MH/T 6143.3-2026

Test methods for compatibility of aviation fuels and lubricants with materials - Part 3: Aviation turbine engine lubricating oils and non-metallic materials

航空油料材料相容性试验方法 第3部分：航空涡轮发动机润滑油与非金属材料

(English Translation)

Issued on: September 17, 2026 **Implemented on: October 1, 2026**

Issued by: Civil Aviation Administration of China

Preview: page 1 of 4 shown, full document available. Complete English PDF, instant download:
https://chinastandards.org/standards/mh-t-6143-3-2026

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative references
2.1 Terms
2.2 Abbreviations
3 Terms and definitions
3.3 Design flow 6
3.4 Classification of air traffic grade 7
3.5 Climate zone 7
3.6 Pavement zones and pavement structure thickness 8
4 Basic requirements
4.1 Purpose
4.2 Design standard requirements
4.3 Verification method requirements
4.4 Design qualification requirements
4.5 Requirements for Operational Evaluation
4.6 Other functional layers
4.7 Runway shoulder
5 Technical requirements
5.1 Test environment requirements
5.2 General test condition requirements
5.3 Test equipment requirements
5.4 Overview of test items
5.5 Cable laying
5.6 Manufacturing process
6 Test method
6.1 Maintainability test
6.2 Visual inspection
6.3 Power test
6.4 Service continuity assessment
6.5 Integrity assessment
6.6 Accuracy test

Preview: page 2 of 4 shown, full document available. Complete English PDF, instant download:
https://chinastandards.org/standards/mh-t-6143-3-2026

6.7 Usability Evaluation
6.8 Benchmark receiver test
6.9 Benchmark receiver antenna test
7 Inspection rules
7.1 Ground taxi test
7.2 Circular flight test
7.3 Arc flight test
7.4 Horizontal flight test
7.5 Approach flight test
8 Packaging, transportation and storage
8.1 General requirements
8.2 Detection and evaluation of the old pavement
8.3 Old pavement treatment before overlay
8.4 Structure combination and thickness calculation of asphalt overlay pavement
8.5 Design measures of non-stop asphalt overlay
9 Multi-point positioning system settings
9.1 System room
9.2 Power supply
9.3 Lightning protection and grounding

1 Foreword

MH/T 6143.3-2026 was issued by Civil Aviation Administration of China on 17 September 2026 and has been in force since 1 October 2026.

It is one of 3 parts of the MH/T 6143 series.

The MH/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

MH/T 6143.3-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 805 other MH/T standards.

Of the 247 MH/T standards that do carry an ICS number, 88 (36%) fall under ICS 03, in the field of services and company organization.

Preview: page 3 of 4 shown, full document available. Complete English PDF, instant download:
https://chinastandards.org/standards/mh-t-6143-3-2026

3 About this standard

Issued by: Civil Aviation Administration of China

4 Related standards

Other parts of this standard:

MH/T 6143.1-2026 - Part 1: Aviation jet fuels and non-metallic materials

MH/T 6143.2-2026 - Part 2: Aviation fire-resistant phosphate ester hydraulic fluids and non-metallic materials

5 Classification and status

Prefix MH/T: recommended standard.

Preview: page 4 of 4 shown, full document available. Complete English PDF, instant download:
https://chinastandards.org/standards/mh-t-6143-3-2026