

METRIC

MIL-L-6085C
AMENDMENT 1
22 December 1994

MILITARY SPECIFICATION

LUBRICATING OIL: INSTRUMENT, AIRCRAFT, LOW VOLATILITY

This amendment forms a part of MIL-L-6085C, dated 5 February 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

Beneficial comments block, line 3: Delete "ASD/ENES, Wright-Patterson AFB OH 45433-6503" and substitute "ASC/ENSI, 2335 Seventh Street, Suite 6, Wright-Patterson AFB OH 45433-7809".

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2.1.1: Delete "QQ-B-613 QQ-B-626	Brass, Leaded and Nonleaded: Flat Products (Plate, Bar, Sheet, and Strip) Brass, Leaded and Nonleaded: Rod, Shapes, Forgings, and Flat Products with Finished Edges (Bar and Strip)."
2.2, line 10: Insert "ASTM B36	Standard Specification for Brass Plate, Sheet, Strip, and Rolled Bar".

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2.2, line 15: Add "ASTM D4636	Standard Test Method for Corrosiveness and Oxidation Stability of Hydraulic Oils, Aircraft Turbine Engine Lubricants, and Other Highly Refined Oils".
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Delete Table III. and substitute:

“TABLE III. Test methods for oil properties.”

CHARACTERISTIC	ASTM TEST METHOD
Corrosion and oxidation stability	¹ D4636
Pour point	D97
Flash point (open cup method)	D92
Precipitation number	D91
Viscosity (kinematic)	D445
Color	D1500
Evaporation loss of lubricating greases and oils	D972
Acid number	D974

¹ Test shall be run for 168 hours at 135°C. Use hexane, heptane, and/or acetone to clean coupons. Use Alternate Procedure 2.”

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4.5.7.3, line 3: Delete “QQ-B-613 and QQ-B-626, composition E” and substitute “ASTM B36”.

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6.4, lines 8 and 9: Delete “WL/MLSE, Wright-Patterson AFB OH 45433-6533” and substitute “WL/MLSE, Building 652, 2179 Twelfth Street, Suite 1, Wright-Patterson AFB OH 45433-7718”.

Custodians:

Army – AT

Navy – AS

Air Force – 11

Preparing activity:

Air Force – 11

(Project 9150-1144)

Review activities:

Army – MI, SM, AR

Navy – OS, SA, SH

Air Force – 68

DLA – GS