



AEROSPACE MATERIAL SPECIFICATION

AMS3060™

REV. B

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Superseding AMS3060A

Compound, Rust Inhibiting
Aircraft Engine Components

RATIONALE

Normal review process.

1. SCOPE

1.1 Form

This specification covers a rust-inhibiting compound in the form of a liquid concentrate or a water soluble powder.

1.2 Application

This product has been used typically in the preservation of steel engine components during overhaul, inspection, and re-assembly cycles of gas turbine engines, but usage is not limited to such applications.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

AMS2640	Magnetic Particle Inspection
AMS2825	Material Safety Data Sheets
AMS3021	Fluid, Reference for Testing Di-Ester (Polyol) Resistant Material
AMS6350	Steel Sheet, Strip, and Plate, 0.95Cr - 0.20Mo (0.28 - 0.33C) (SAE 4130)

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For more information on this standard, visit
<https://www.sae.org/standards/content/AMS3060B/>

2.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM D 93 Flash Point by Pensky-Martens Closed Tester

ASTM D 445 Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity)

ASTM D 892 Foaming Characteristics of Lubrication Oils

ASTM D 974 Neutralization Number by Color-Indicator Titration

ASTM F 519 Mechanical Hydrogen Embrittlement Testing of Plating Processes and Aircraft Maintenance Chemicals

ASTM D 1193 Standard Specification for Reagent Water

2.3 Military Specifications

Available from the Document Automation and Production Service (DAPS), Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Tel: 215-697-6257, <http://assist.daps.dla.mil/quicksearch/>.

MIL-STD-290 Packaging of Petroleum and Related Products

3. TECHNICAL REQUIREMENTS

3.1 Material

Composition of the compound shall be optional with the manufacturer, but shall be compounded to meet the requirements of 3.2.

3.1.1 Toxicity

The compound shall not be injurious to personnel when used, for the intended purpose, in accordance with manufacturer's recommendations.

3.2 Properties

The compound shall conform to the following requirements when prepared for use in accordance with manufacturer's instructions:

3.2.1 Corrosion Protection

Test panels shall exhibit no discoloration or pitting, determined in accordance with 4.5.1.

3.2.2 Compatibility

Test panels shall exhibit foaming characteristics, flash point, viscosity, and neutralization number within 4% of the preproduction values established as in 4.4.1, determined in accordance with 4.5.2.

3.2.3 Surface Appearance

Test panels, after application, shall be free of residues that interfere with evaluation of 0.015 inch (0.38 mm) and larger linear indications when inspected by magnetic particle inspection in accordance with AMS2640. Compounds should not exhibit fluorescence as this may interfere with subsequent fluorescent penetrant inspections.