

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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AMS 3070

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Revised

OIL, CORROSION - PREVENTITIVE (Carburetor Slushing)

1. ACKNOWLEDGMENT: A vendor must mention this specification number in all quotations and when acknowledging purchase orders.
2. USE: The material shall be suitable for protecting the interior of carburetors from corrosion during shipment and storage.
3. QUALITY: The material shall be refined petroleum oil without the admixture of fatty oils, fatty acids, resins, soaps, or other non-hydrocarbon materials.

4. REQUIREMENTS:

Viscosity: Saybolt Universal Seconds at 130°F	120 - 145
Viscosity index (min)	105
Flash Point °F (min)	415
Pour Point °F (max)	0
Carbon Residue percent (max)	0.6
Neutralization Number (max)	0.1
Sulphur percent (max)	0.5
Corrosion Test at 212° F (copper strip)	no discoloration or pitting
Cloud Point ° F (max)	20
Precipitation	0
Aniline Point ° (min)	200

5. TESTS: (a) All tests to determine conformance to the requirements of this specification shall be made in accordance with A.S.T.M. methods, except the corrosion test, which shall be made as directed in paragraph 5 (b) below.

(b) Corrosion. Place a clean strip of mechanically polished pure copper 1/2" wide by 3" long in a clean test tube and cover completely with the sample to be tested. Close the tube with a vented stopper and maintain at 212° F. for 3 hours. Rinse the copper strip with sulphur free acetone and compare with a similar strip of freshly polished copper. Corrosion, indicated by discoloration or pitting, must be absent.

6. REPORTS: Unless otherwise specified, the vendor shall supply three copies of a certified report of the quantitative results of tests made on the batch of material from which the order was filled. This report shall include the purchase order number, material specifications number, quantity and date of shipment.
7. IDENTIFICATION: All containers shall be plainly marked with this specification number, purchase order number, and quantity.
8. APPROVAL: A manufacturer shall not begin to supply a product to this specification until samples have been approved by the purchaser, and after approval the ingredients, and method of manufacture shall not be changed without his permission. Results of tests on incoming shipments shall be as good as, or better than those on the approved samples.