

VV-L-800C  
AMENDMENT 1  
September 15, 1986

**FEDERAL SPECIFICATION**

**LUBRICATING OIL, GENERAL PURPOSE, PRESERVATIVE**

**(WATER-DISPLACING, LOW TEMPERATURE)**

This amendment, which forms a part of Federal Specification VV-L-800C, dated 11 May 1983, was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal Agencies.

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2.1, under Federal Standard, add:

"FED-STD-313 - Material Safety Data Sheet, Preparation and the Submission of."

**PAGE 2**

2.1.1, after MIL-STD-290, add:

"Military specification:

MIL-E-10062 - Engine, Preparation for Shipment and Storage of.

"2.1.2 Other Government documents. The following other Government documents form a part of this specification to the extent specified herein. Unless otherwise specified, the issues shall be those in effect on the date of the solicitation.

DEPARTMENT OF LABOR (DOL)

OSHA 29 CFR 1910.1200 Hazard Communication Standard Regarding Lubrication Oils.

(Guideline CPL 2-2.38 may be obtained from OSHA Publication Office, Room S-4203, 200 Constitution Avenue NW, Washington, DC 20210.)"

2.2, under American Society for Testing and Materials (ASTM) Standards, delete "D 270" in its entirety and add:

"D 4057 - Manual Sampling of Petroleum and Petroleum Products.  
D 4177 - Automatic Sampling of Petroleum and Petroleum Products."

AMSC N/A

FSC 9150

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3.2, add "The contractor shall certify that no carcinogenic or potentially carcinogenic constituents are present as defined under the Hazard Communication Standard (HCS) 29 CFR 1910.1200. Certification to this effect shall be made to the qualifying activity."

3.4.2, line 2, delete "when viewed under 20-diameter magnification" and substitute "when viewed under 20-power magnification".

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4.3.2, line 2, delete "D 270" and substitute "D 4057 or D 4177".

4.4, add the following:

"The contractor shall provide certification of non-carcinogenicity as specified (i.e. materials are not considered carcinogenic or potential carcinogenic)."

TABLE II, after test for copper corrosion, add "3/" and at end of table, add:

"3/ At 100 °C for 3 hours."

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6.1, line 10, delete last sentence in its entirety and substitute: "This preservative oil may also be used to protect the fuel system and combustion chamber of engines conforming to MIL-E-10062. However, this material contains a carboxylic acid which could react with certain metals present in the fuel system forming soaps which could contribute to fuel filter plugging."

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6.3 Qualification. Delete paragraph 6.3 and substitute:

"6.3 Qualification. Awards will be made only for products which are qualified for inclusion on the qualified products list at the time set for opening of bids. This qualification shall be approved by the qualifying activity for a period not to exceed five years from the date of original qualification. If a product is submitted for requalification and there has been no change in the specification requirements, the qualifying activity may, at its discretion, waive complete retesting or require only partial retesting of the product to determine its continued acceptability.

"6.3.1 Qualification samples. Samples for qualification shall consist of two gallons hydraulic fluid and one ounce of any additives used as an ingredient in the finished fluid. If additives are supplied as concentrates, an equivalent quantity of the solution shall be furnished. The samples shall be accompanied by Material Safety Data Sheets for each component ingredient of the finished product in accordance with FED-STD-313. A report from the manufacturer or from a commercial laboratory containing complete information concerning the source(s)

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and type(s) of base stock and each of the additive as well as the composition in exact percentages of the formulation of the finished product and the laboratory report stating quantitative results for all test requirements of the specification shall be furnished with the samples. One gallon of finished product shall be sent to a designated Government Laboratory at the time of qualification. The designated activity shall be determined by U.S. Army Belvoir Research, Development, and Engineering Center. The other samples, reports, and material safety data sheets shall be forwarded to:

U.S. Army Belvoir Research, Development, and Engineering Center  
 ATTN: STRBE-VFH  
 Fort Belvoir, VA 22060-5606

The samples shall be plainly identified by durable tags or labels securely attached and containing the following information:

- a. Sample for Qualification Inspection.
- b. Lubricating Oil, General Purpose Preservative (Water-Displacing, Low Temperature).
- c. Name of ingredient (for additive material).
- d. Name of manufacturer.
- e. Product code number.
- f. Date of manufacture.

Submitted by (name) and (date) for qualification inspection in accordance with the requirements of VV-L-800C under authorization of (reference authorizing letter)."

Custodians:

Army - ME  
 Navy - AS  
 Air Force - 20

CIVIL AGENCY COORDINATING ACTIVITIES:

DOT - ACO  
 GSA - FSS  
 NASA - JFK

Review activities:

Army - MD, MI, SM, AR, AT, AL  
 Navy - YD, SA  
 Air Force - 68  
 DLA - PS, GS

PREPARING ACTIVITY:

Army - ME  
 Project 9150-0796

User activities:

Navy - OS, MC

International Interest (see 6.5)