

VV-L-765A  
 AMENDMENT-1  
September 27, 1968

FEDERAL SPECIFICATION

LUBRICANTS, ENCLOSED-GEAR, NONEXTREME-PRESSURE

This amendment, which forms a part of Federal Specification VV-L-765A, dated April 10, 1967, was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

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Paragraph 1.2: Change the classification of grades to the following:

<u>Grade</u>	<u>Military symbol</u>
80	M-80
90	M-90
140	M-140
250	M-250

Paragraph 2.1: Delete "Fed. Std. No. 123 - Marking for Domestic Shipment (Civilian Agencies)".

Paragraph 2.2: After "Standards on Petroleum Products and Lubricants", add "Parts 17 and 18." Delete "Manual on Measurement and Sampling of Petroleum and Petroleum Products."

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Paragraph 3.2: On the second line, delete "requirements" and substitute "characteristics."

Paragraph 3.2.1: Delete the entire paragraph on separation characteristics.

Table I: Change "Four point" to Pour point".

Table I: Add the following line to the bottom of the table:

	<u>grade</u>	<u>grade</u>	<u>grade</u>	<u>grade</u>
	80	90	140	250
"Precipitation number	Trace	Trace	0.1	0.1 "

Table 1: Delete footnote 1.

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Paragraph 4.2: Delete the entire paragraph on lot size and substitute the following two paragraphs:

4.2 Lot.

4.2.1 Bulk lot. An indefinite quantity of a homogenous mixture of one grade of grease offered for acceptance in a single isolated container; or manufactured in a single plant run (not exceeding 24 hours) through the same processing equipment, with no change in the ingredient materials.

4.2.2 Packaged lot. An indefinite number of drums or other unit containers of identical size and type, offered for acceptance, and filled with a homogenous mixture of one grade of grease from one isolated container; or filled with a homogenous mixture of one grade of grease manufactured in a single plant run (not exceeding 24 hours) through the same processing equipment, with no change in the ingredient materials.

Paragraph 4.3.2, lines 4 and 5: Delete "Method 8001 of Fed. Test Method Std. No. 791" and substitute "ASTM Method D270".

Delete table II and substitute a new table II as follows:

Table II Test methods

Test	Test method No.	Test method No.
	FTMS 791	ASTM
Viscosity, kinematic <sup>1/</sup>		D 445
Viscosity, conversion of kinematic to Saybolt Universal		D 2161
Viscosity index		D 2270
Pour point		D 97
Flash point		D 92
Ash		D 482
Neutrality	5101	
Copper corrosion		D 130
Precipitation number		D 91
Foaming		D 892

<sup>1/</sup> Kinematic viscosity values shall be determined by ASTM method D 445 and may be converted to Saybolt values, if required, by ASTM method D 2161.

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Section 5: Delete the entire section and substitute the following:

5.1 Packaging, packing, and marking. Unless otherwise specified in the contract or purchase order (see 6.2), packaging, packing, and marking shall be in accordance with MIL-STD-290".

**CUSTODIANS:**

Army - MR  
Navy - SH  
Air Force - 68

**Review activities:**

Army - WC  
Navy - SH  
Air Force - 68  
DSA - GS, PS

**CIVIL AGENCY INTEREST:**

GSA

**Preparing activity:**

Army - MR

**User activity:**

Navy - YD