

NOT MEASUREMENT
SENSITIVE

A-A-59137
30 January 1998
SUPERSEDING
MIL-L-16785A
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COMMERCIAL ITEM DESCRIPTION

LUBRICATING OIL, BREECH BLOCK (FOR NAVAL ORDNANCE)

The General Service Administration has authorized the use of this commercial item description by all federal agencies.

1. **SCOPE.** This commercial item description (CID) covers two grades of lubricating oils that are intended for application as a lubricant in breech block guns for naval ordnance.

2. **CLASSIFICATION.** The lubricating oil, breech block shall conform to the following types:

- 2.1 Grade. Grade A - For summer use.
 Grade B - For winter use.

3. SALIENT CHARACTERISTICS

3.1 Composition. The lubricating oil shall consist of castor oil according to ASTM D 960 and mineral oil according to ASTM D 4304 (using Type II Mineral Oil and ISO 68 viscosity grade). Grade A lubricating oil shall consist of five parts of the mineral oil and two parts of the castor oil. Grade B lubricating oil shall consist of 10 parts of the mineral oil and 1 part of the castor oil. Verification of the existence of the castor oil and the percentage of the castor oil in the lubricating oil must be performed using test methods such as acetyl value and saponification determination (saponification shall be determined using ASTM D 94) or more current and technically advanced commercial test methods such as the infra-red quantitative test method.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: Defense Supply Center Richmond, Standardization Program Branch, ATTN: DSCR-VBD, 8000 Jefferson Davis Highway, Richmond, VA 23297-5610.

AMSC N/A

FSC 9150

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3.2 Viscosity. The lubricating oil shall have a viscosity range of 50-60 Saybolt Universal Seconds (SUS) at 210 degrees F for Grade A, and 45-55 SSU at 210 degrees F for Grade B, when tested in accordance with ASTM D 445, and converted to SSU by ASTM D 2161.

3.3 Pour point. The lubricating oil shall have a maximum pour point of 50 degrees F for Grade A, and 0 degrees F for Grade B, when tested in accordance with ASTM D 97.

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

5.2 Market acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

5.2.1 The company must have produced the lubricating oil, breech block meeting the salient characteristics of this CID, for at least 3 years.

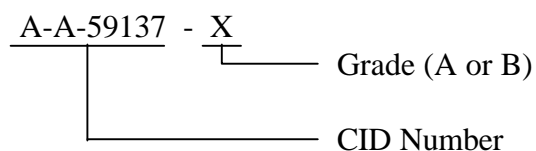
5.2.2 The company must be able to show test data or lab results of meeting the salient characteristics of the lubricating oil, breech block.

5.2.3 The company must provide a warranty of replacing defective items.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES

7.1 Part identification number (PIN). The following part identification number procedure is for government purposes and does not constitute a requirement for the contractor.



7.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this document.
- b. Part identification number.
- c. Quantity of containers required.

7.3 National stock numbers (NSNs). The following is a list of NSNs assigned which correspond to this CID. This list may not be indicative of all possible NSNs associated with this document.

<u>NSN</u>	<u>Grade</u>	<u>Size</u>
9150-00-231-6661	A	1 Quart
9150-00-231-6662	B	1 Quart

Custodian:
Army - AT
Navy - OS

Preparing Activity:
DLA - GS

Reviewer:
Navy - SA

(Project 9150-1209)