

[INCH-POUND]
A-A-52625
April 21, 1997
SUPERSEDING
MIL-L-8362C
10 October 1968

COMMERCIAL ITEM DESCRIPTION

LUBRICANT, TIRE AND RIM, DEMOUNTING

The General Services Administration has authorized the use of this Commercial Item Description (CID), for all federal agencies.

1. **SCOPE.** This CID covers one type of liquid lubricant for tire and rim demounting that will facilitate the separation of the mounted tire bead from the wheel rim.

2. SALIENT CHARACTERISTICS

2.1 Material. Material shall conform to the contractor's commercial standards and shall be subject to all provisions of this specification.

2.1.1 Homogeneity. The lubricant shall be homogeneous, and free from cakes, lumps, or hard gritty particles, when examined.

2.1.2 Toxicity. Fumes of the lubricant shall not be injurious to a person's health if inadvertently inhaled for a short period of time in a well ventilated area.

2.2 Performance.

2.2.1 Viscosity. The viscosity of the lubricant at a temperature of 130 degrees Fahrenheit (°F), when determined in accordance with ASTM D445, shall not vary by more than ± 1 centistoke (cs) in value after high and low temperature cycling (see 2.3.2).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-TR-E/BUE, Warren, MI 48397-5000, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document, or by letter.

AMSC N/A

FSC 2640

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2.2.2 Corrosion on metals. The lubricant shall not corrode metals. Discoloration of brass or magnesium surfaces will be permitted.

2.2.3 Effect on protective finishes. The lubricant shall have no deleterious effect on protective finishes.

2.2.4 Deterioration of rubber. The lubricant shall not change the tensile strength, elongation, and volume of natural, Buna-S, and butyl unplasticized rubber in excess of ± 10 percent of the original value.

2.2.5 Coefficient of static friction. The coefficient of friction shall not be more than 0.3 wet or 0.5 dry.

2.3 Stability.

2.3.1 Storage stability. Packaged lubricant shall be capable of withstanding storage temperatures of 160 °F for a period of 240 hours without varying the viscosity (see 2.2.1) and without effecting the corrosion properties on metals (see 2.2.2).

2.3.2 Cycling stability. The lubricant shall withstand low temperature cycling (cooled to -65°F for 24 hours (h), warmed to room temperature for 24 h, for 2 cycles) and high temperature cycling (heated to 160°F for 24 h, cooled to room temperature for 24 h, for 2 cycles) without varying the viscosity (see 2.2.1) and without effecting the corrosion properties on metals (see 2.2.2).

3. REGULATORY REQUIREMENTS

3.1 Recovered material. 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).

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. The contractor is responsible for the performance of all inspections, examinations, and tests.

4.2 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, workmanship 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.

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5. PACKAGING

5.1 Preservation, packaging, and marking. Preservation, packing, and marking shall be as specified in the contract or order (see 6.2).

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Addresses for obtaining copies of referenced documents.

6.1.1 Government documents. Copies of the Code of Federal Regulations (CFR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

6.1.2 Non-Government documents. Copies of ASTM D445, "Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (the Calculation of Dynamic Viscosity (DoD Adopted))," may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this CID.
- b. Issue of the Department of Defense Index of Specifications and Standards (DoDISS) to be cited in this solicitation, and if required, the specific issue of individual documents referenced.
- c. Selection of applicable level and packaging requirements (see 5.1).

6.3 Cross-reference. Lubricants conforming to this CID are interchangeable/substitutable with lubricants conforming to MIL-L-8362C, dated 10 October, 1968.

MILITARY INTERESTS:

Custodians:

Army - AT
Navy - YD1
Air Force - 99

Review Activities:

Army - AV
Navy - AS, MC
Air Force - 84

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing Activity:

Army - AT

(Project 2640-0218)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER
A-A-52625

2. DOCUMENT DATE (YYMMDD)
970421

3. DOCUMENT TITLE TRANSMISSION ASSEMBLY

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*

b. ORGANIZATION

c. ADDRESS *(Include Zip Code)*

d. TELEPHONE *(Include Area Code)*
(1) Commercial
(2) AUTOVON
(if applicable)

7. DATE SUBMITTED
(YYMMDD)

8. PREPARING ACTIVITY

a. NAME

b. TELEPHONE *Include Area Code)*
(1) Commercial
(810) 574-8745

(2) AUTOVON
786-8745

c. ADDRESS *(Include Zip Code)* COMMANDER
U.S. ARMY TANK-AUTOMOTIVE AND ARMAMENTS COMMAND
ATTN: AMSTA-TR-E/BLUE
WARREN, MI 48397-5000

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:
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