

NOT MEASUREMENT  
SENSITIVE

MIL-L-46010B  
AMENDMENT 2  
5 September 1990  
AMENDMENT 1  
4 March 1988

MILITARY SPECIFICATION

LUBRICANT, SOLID FILM, HEAT CURED, CORROSION INHIBITING

This amendment forms a part of MIL-L-46010B, dated 23 February 1987, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

- \* 1.2, line 5, delete "years" and substitute "year".

PAGE 2

- \* Table I, under Dash number, delete "0.1" and substitute "01", delete "0.2" and substitute "02", delete "0.3" and substitute "03", and delete "0.4" and substitute "04".
- \* 2.1.1, under MIL-H-83282, delete "Code Numer" and substitute "Code Number".
- \* 2.1.1, under MIL-L-46000, delete "Automatc" and substitute "Automatic".

PAGE 3

- \* 2.1.1, after MIL-STD-290, delete "(Copies of specifications.....by the contracting activity.)" and substitute:

"(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099.)"

- \* "2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

AMSC N/A

FSC 9150

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MIL-L-46010B  
AMENDMENT 2

DEPARTMENT OF LABOR (DOL)

OSHA 29CFR 1910.1200 Hazard Communication Interpretation Regarding Chemicals and Mixtures.

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

- \* 2.2, AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM), under A167, delete "Chromiun" and substitute "Chromium".

Under A108, delete "Cold-Finish" and substitute "Cold-Finished".

2.2, last paragraph, delete "Nongovrnment" and substitute "Non-Government".

PAGE 4

- \* 2.3, line 3, delete "specifications sheets" and substitute "specification sheets".
- \* 3.2, line 9, delete "flurocarbon" and substitute "fluorocarbon". At end of paragraph, 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 (see 6.3)."
- \* 3.3, line 7, delete "4.6 (see table III)" and substitute "table III".
- \* 3.4.1, line 2, delete "4.6" and substitute "table III".
- \* 3.4.2, line 2, delete "4.6" and substitute "table III".
- \* 3.4.3, line 2, delete "4.6" and substitute "table III".
- \* 3.4.4, line 1, delete "in accordance with 4.6" and substitute "as specified in table III".

PAGE 5

- \* 3.4.5, line 1, delete "in accordance with 4.6" and substitute "as specified in table III".
- \* 3.4.6, line 2, delete "4.6" and substitute "table III".
- \* 3.4.7, line 3, delete "in accordance with 4.6" and substitute "as specified in table III".
- \* 3.4.8, line 1, delete "applying" and substitute "being applied". Line 5, delete "4001.2" and substitute "4001".
- \* 3.4.9, line 1, after "The" insert "type II". Line 3, delete "types I and II" and substitute "type II only".

MIL-L-46010B  
AMENDMENT 2

- \* 3.4.10, delete in its entirety and substitute:

"3.4.10 Storage stability. The lubricant in its original container shall, after a minimum storage period as specified in 4.6.4, conform to the requirements for endurance life, for type I and type II (see 3.4.4); the sulfurous acid-salt spray test, for type I only (see 3.4.7); and the salt spray (fog) test, for type II only (see 3.4.8), when tested as specified in table III."

- \* 3.5, line 2, after "(see 6.1).", add: "Prior to award of qualification, MSDS's for all components (especially for the solvent and lubricant) shall be submitted to the appropriate departmental medical activity to insure conformity to toxicity requirements."

- \* After 3.5, add:

"3.6 Application. The lubricant shall be applied in accordance with the appendix of this specification. The surfaces upon which the lubricant is applied shall also be pretreated in accordance with the appendix of this specification."

PAGE 6

- \* 4.2, after line 4, add:

"c. Inspection of packaging (see 4.7)."

- \* 4.3.1, line 7, delete "Military" and substitute "Material".

Line 8, delete "th" and substitute "the".

Line 10, after "labels" insert "and".

PAGE 7

4.4, line 4, delete "storage stability (3.4.9)" and substitute "storage stability (see 3.4.10)".

- \* 4.4.3, line 4, delete "acceptable quality level (AQL) of 1.0 percent defective." and substitute "presence of one or more defects shall be cause for rejection."

- \* 4.5.2.1, line 5, insert "3 by" between "by" and "6"

PAGE 8

- \* 4.5.2.2, lines 3 thru 5, delete "The panels shall be precleaned with.....dry sand or grit." and substitute "The panels shall be pre-cleaned with 1,1,1-trichloroethane conforming to MIL-T-81533. The panels shall have both faces and all edges blasted with 120 mesh, clean and dry, sand or grit."

- \* Line 5, delete "Phosphate" and substitute "Phosphatize".

- \* 4.6.1, line 2, add a "," between "approval" and "certification".

MIL-L-46010B  
AMENDMENT 2

- \* 4.6.3, line 8, delete last sentence and substitute "Calculate percent of total solids in the lubricant as follows:"
- \* 4.6.4, line 3, delete comma after "(see 3.4.4)."

PAGE 9

- \* 4.6.4, line 4, after "film and" insert "perform". Line 6, after "life of" insert "the". Line 7, after "(see 3.4.4)" insert "and perform the".
- \* 4.6.5, line 4 thru 7, delete the last sentence and substitute "Sample size shall be determined using the appropriate sampling plan of MIL-STD-105. Rejection of a lot shall occur when one or more defects are found."
- \* After 4.6.6, add:

"4.7 Inspection of packaging. The packaging, packing, and marking shall be examined and tested in accordance with the quality assurance provisions MIL-STD-290."

PAGE 10

- \* 6.1, line 3, delete "chrominum" and substitute "chromium".

PAGE 11

6.3, delete in its entirety 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 the opening bids. Products shall not be considered for inclusion in QPL-46010 until such time as the appropriate departmental activity has reviewed all pertinent Material Safety Data Sheets. This qualification will 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 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. The activity responsible for the qualified products list and information pertaining to qualification is the US Army Belvoir Research, Development, and Engineering Center, ATTN: STRBE-VF, Ft. Belvoir, VA 22060-5606. Contracting officers will designate the activities requiring copies of completed material safety data sheets prepared in accordance with FED-STD-313. The pertinent Government mailing addresses for submission of data sheets are listed in appendix B of MIL-STD-313."

- \* 6.4, line 2, delete "Faville-LeValley" and substitute "Falex".
- Line 4, delete "repeatable and".

MIL-L-46010B  
AMENDMENT 2

PAGE 13

- \* Table III, line 20 (Solids content), under "Type I" (column 4), delete "3.4.9" "Not required".

PAGE 14

- \* 5/, line 1, delete "0.002 - 0.005" and substitute "0.0002 - 0.0005". Line 3, delete "4001.2" and substitute "FED-STD-791, method 4001".
- \* Table IV, line 2, after MIL-A-8243, add ", any type".  
Line 8, delete "hydrcarbon" and substitute "hydrocarbon".  
Line 13, after VV-D-1078, add ", any type".

PAGE 15

- \* 10.1, line 1, delete "not".

PAGE 16

- \* 30.5, line 3, delete "Phosphate" and substitute "Phosphatize".

The margins of the amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletion) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:

Army - ME  
Navy - AS  
Air Force - 68

Preparing Activity:

Army - ME

Project 9150-1044

Review activities:

Army - AL, AR, AT, AV, MD, MI, SM  
Navy - SH  
DLA - GS