3-GP-671
CANCELLATION
31 May 1957

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

GREASE; GENERAL PURPOSE, NO. 1

CGSB Specification 3-GP-671, dated 31 December 1947 and Amendment is cancelled as of 31 May 1957.

ARCHIVES COPY

3-GP-671
31 December 1947
AMENDMENT NO. 1
16 August 1956

CANADIAN GOV ERNMENT SPECIFICATIONS BOARD

Specification
for

GREASE; GENERAL PURPOSE, NO. 1

C. (3.)* DETAIL REQUIREMENTS

C-1 (3.1)* Physical and Chemical Requirements

(a) Delete the whole of the corrosion requirement.

(b) Insert new corrosion requirement at the end of section C-1 (3.1)* as follows:

"C-1-1 (3.1.1)* Corrosion - After immersion of a copper strip in the grease at 100°C for 24 hours there shall be no evidence of a green color in the material on the strip. There shall be no pitting, etching or marked staining of the copper after washing with benzene. Staining which is not more marked then Classification 1 of ASTM D130 will be regarded as passing the test.

3-GP-0 Method 60.10a"

* Section and subsection designation in copies of the specification reprinted 12 January 1953.

3-GP-671
31 December 1947*
Supersedes DND 671

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

GREASE; GENERAL PURPOSE, NO. 1**

1. DEFINITION

1.1 This specification covers one grade of general purpose chassis grease. The consistency shall conform to Grade No. 1, National Lubricating Grease Institute.

2. GENERAL REQUIREMENTS

2.1 Material - The grease shall be a smooth homogeneous mixture of well-refined mineral oil and aluminum, calcium or sodium soaps, or a mixture thereof, made from completely saponified animal or vegetable fats or oils or fatty acids.

2.2 Fillers - The grease shall contain no fillers, such as rosin, rosin oil, talc, wax, powdered mica, kaolin, sulphur, asbestos, graphite or any materials having undesirable or deleterious effects on lubrication.

2.3 Odor - The grease shall possess only a slight odor of mineral oil and may be rejected if it has any other distinct odor.

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* Reprinted 12 January 1953 with no change in technical requirements.

** For other grades of General Purpose Grease see Specification No. 3-GP-603, -670, and -672.

PRICE 10 cents.

3. DETAIL REQUIREMENTS

3.1 Physical and Chemical Requirements

	Min.	Max.	Test Method
Worked Penetration at 77°F.	310	340	35.1
Free Alkali (NaOH), per cent	-	0.2	2.3
Water, per cent	-	2.0	10.2
Ash, Sulphates, per cent	-	3.5	42.5
Insoluble Matter, per cent	-	0.1	43.3
***Free Fatty Acids (Oleic), per cent	-	0.3	2.4
Corrosion	-	Nil	60.11
Mineral Oil Content, per cent	85	-	8.1
Viscosity at 100°F.			
Kinematic, Centistokes	162	-	36.1
Approx. S.U. Seconds	750	-	36.2
Flash Point, °F.	350	-	27.1

4. USES

4.1 GREASE; GENERAL PURPOSE, No. 1, is intended for general purpose chassis lubrication at temperatures above 32°F. (0°C.).

5. METHODS OF SAMPLING AND TESTING

5.1 A sample of not less than five pounds shall be provided for tests and shall be obtained in accordance with section 1.3 of Schedule No. 3-GP-0: Methods of Testing Petroleum and Associated Products.

5.2 The methods of testing shall in all cases be those described in Schedule No. 3-GP-0, using the procedure specified with each requirement.

*** If aluminum soap is present this determination shall be omitted.

Correspondence regarding this specification should be addressed to the Secretary, Canadian Government Specifications Board, National Research Council, OTTAWA, Canada.

No. 3-GP-671-1947
Issued 31 December, 1947
Supersedes D.N.D. 671

CANADIAN GOVERNMENT PURCHASING STANDARDS COMMITTEE

Specification for GREASE - GENERAL PURPOSE, NO. 1***

A. DEFINITION

A-1 This specification covers one grade of general purpose chassis grease. The consistency shall conform to Grade No. 1, National Lubricating Grease Institute.

B. GENERAL REQUIREMENTS

B-1 Material The grease shall be a smooth homogeneous mixture of well-refined mineral oil and aluminum, calcium or sodium soaps, or a mixture thereof, made from completely saponified animal or vegetable fats or oils or fatty acids.

B-2 Fillers The grease shall contain no fillers, such as rosin, rosin oil, talc, wax, powdered mica, kaolin, sulphur, asbestos, graphite or any materials having undesirable or deleterious effects on lubrication.

B-3 Odour The grease shall possess only a slight odour of mineral oil and may be rejected if it has any other distinct odour.

C. DETAIL REQUIREMENTS

C-1 Physical and Chemical Requirements

	Min.	Max.	Test Method
Worked Penetration at 77°F.	310	340	35.1
Free Alkali (NaOH), per cent	-	0.2	2.3
Water, per cent	-	2.0	10.2
Ash, Sulphates, per cent	-	3.5	42.5
Insoluble Matter, per cent	-	0.1	43.3
*Free Fatty Acids (Oleic), per cent	-	0.3	2.4
Corrosion	-	Nil	60.11
Mineral Oil Content, per cent	85	-	8.1
Viscosity at 100°F.			
Kinematic, Centistokes	162	-	36.1
Approx. S.U. Seconds	750	-	36.2
Flash Point, °F.	350	-	27.1

* If aluminum soap is present this determination shall be omitted.

*** For other grades of General Purpose Grease see Specification No. 3-GP-603,-670, and -672.

D. USES

D-1 GREASE - GENERAL PURPOSE, NO. 1 is intended for general purpose chassis lubrication at temperatures above 32°F.(0°C.).

E. METHODS OF SAMPLING AND TESTING

E-1 A sample of not less than five pounds shall be provided for tests and shall be obtained in accordance with section 1.3 of Schedule No. 3-GP-0: Methods of Testing Petroleum and Associated Products.

E-2 The methods of testing shall in all cases be those described in Schedule No. 3-GP-0, using the procedure specified with each requirement.

Correspondence regarding this specification should be addressed to the Secretary, Canadian Government Purchasing Standards Committee, National Research Council, OTTAWA, Canada.