3-GP-672
CANCELLATION
22 February 1957

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

GREASE; GENERAL PURPOSE, NO. 2

CGSB Specification 3-GP-672, dated 31 December 1947 is cancelled as of 22 February 1957.

3-GP-672
31 December, 1947
AMENDMENT NO. 1
8 August, 1950

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

GREASE; GENERAL PURPOSE NO. 2

C. DETAIL REQUIREMENTS

Add the following new requirement:

"C-2 Performance When tested in accordance with Method 80.2 the grease shall conform to the following requirements:

C-2a Leakage There shall be not more than 10 grams leakage of grease or oil or both into the retainer back of the hub.

C-2b Change in consistency There shall be no abnormal change in the grease to the extent of becoming thin or fluid.

C-2c Change in structure There shall be no abnormal change in the structure of the grease such as a smooth or short fibre grease assuming a ropey structure, or any grease "setting-up", gelatinizing or forming a dry, brittle gel structure.

C-2d Deposits There shall be no adherent deposits of varnish gum, or lacquer-like material upon the bearing or races after slushing in naphtha two minutes at room temperature for removal of the grease film".

Withdrawn/Retirée

3-GP-672
31 December 1947*
Supersedes DND 672

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification for GREASE; GENERAL PURPOSE, NO. 2**

1. DEFINITION

1.1 This specification covers one grade of general purpose wheel bearing grease. The consistency shall conform to Grade No. 2, National Lubricating Grease Institute.

2. GENERAL REQUIREMENTS

2.1 Material - GREASE; GENERAL PURPOSE, NO.2 shall be a homogeneous mixture of a well-refined mineral oil and sodium soap made from completely saponified animal or vegetable fats or oils, or fatty acids. Admixture of a total of 2 per cent aluminum and calcium soap is per mitted in accordance with the commercial practice of using a small amount of those soaps to partially "smooth-out" fibrous wheel bearing greases.

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

3. DETAIL REQUIREMENTS

3.1 Physical and Chemical Requirements

	Min.	Max.	Test Method
Worked Penetration at 77°F.	265	295	35.1
Free Alkali (NaOH), per cent	-	0.5	2.3
Water, per cent	-	1.5	10.2
Ash, Sulphates, per cent	-	6.0	42.5
Insoluble Matter, per cent	-	0.1	43.3
Free Fatty Acids (Oleic), per cent	-	0.3	2.4
Dropping Point, °F.	300	-	34.1
Corrosion	-	Nil	60.11
Mineral Oil Content, Per cent	82	-	8.1
Viscosity at 210°F.			
Kinematic, Centistokes	1+.3	20.4	36.1
Approx. S.U. Seconds	75	100	36.2
Flash Point, °F.	350	-	27.1
Pour Point, °F.	-	+25	28.2

*Reprinted 27 January 1953 with no change in technical requirements and with the incorporation of Amendment No. 1 dated 8 August 1950.
**For other grades of General Purpose Grease see Specification No. 3-GP-603, -670 and 3-GP-671.

PRICE 10 cents.

Withdrawn/Retiree

3.2 Performance - When tested in accordance with Method 80.2 the grease shall conform to the following requirements:

3.2.1 Leakage - There shall be not more than 10 grams leakage of grease or oil or both into the retainer back of the hub.

3.2.2 Change in consistency - There shall be no abnormal change in the grease to the extent of becoming thin or fluid.

3.2.3 Change in structure - There shall be no abnormal change in the structure of the grease such as a smooth or short fibre grease assuming a ropey structure, or any grease "setting-up", gelatinizing or forming a dry, brittle gel structure.

3.2.4 Deposits - There shall be no adherent deposits of varnish gum, or lacquer-like material upon the bearing or races after slushing in naphtha two minutes at room temperature for removal of the grease film.

4. USES

4.1 GREASE; GENERAL PURPOSE, NO.2", is intended primarily for wheel bearing lubrication.

4.2 This grease may also be used for chassis lubrication above 32°F.

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.

Withdrawn/Retiree

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

No. 3-GP-672-1947
Issued 31 December, 1947
Supersedes D.N.D. 672

CANADIAN GOVERNMENT PURCHASING STANDARDS COMMITTEE

Specification for GREASE - GENERAL PURPOSE, NO. 2*

A. DEFINITION

A-1 This specification covers one grade of general purpose wheel bearing grease. The consistency shall conform to Grade No. 2, National Lubricating Grease Institute.

B. GENERAL REQUIREMENTS

B-1 Material GREASE - GENERAL PURPOSE, NO. 2 shall be a homogeneous mixture of a well-refined mineral oil and sodium soap made from completely saponified animal or vegetable fats or oils, or fatty acids. Admixture of a total of 2 per cent aluminum and calcium soap is permitted in accordance with the commercial practice of using a small amount of these soaps to partially "smooth-out" fibrous wheel bearing greases.

B-2 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.	265	295	35.1
Free Alkali (NaOH), per cent	-	0.5	2.3
Water, per cent	-	1.5	10.2
Ash, Sulphates, per cent	-	6.0	42.5
Insoluble Matter, per cent	-	0.1	43.3
Free Fatty Acids (Oleic), per cent	-	0.3	2.4
Dropping Point, °F.	300	-	34.1
Corrosion	-	Nil	60.11
Mineral Oil Content, per cent	82	-	8.1
Viscosity at 210°F.			
Kinematic, Centistokes	14.3	20.4	36.1
Approx. S.U. Seconds	75	100	36.2
Flash Point, °F.	350	-	27.1
Pour Point, °F.	-	+25	28.2

*For other grades of General Purpose Grease see Specification No. 3-GP-603,670 and 3-GP-671.

Withdrawn/Retired

D. USES

D-1 GREASE - GENERAL PURPOSE, NO. 2, is intended primarily for wheel bearing lubrication.

D-2 This grease may also be used for chassis lubrication above 32°F.

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.

Withdrawn/Retirée

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

3-GP-672
31 December 1947
AMENDMENT NO. 2
16 August 1956

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

GREASE; GENERAL PURPOSE, NO. 2

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-2d (3.2.4)* as follows:

"C-3 (3.3)* 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 than Classification 1 of ASTM D130 will be regarded as passing the test.

3-GP-0 Method 60.10a"

Withdrawn/Retirée

* Section and subsection designation in copies of the specification reprinted 27 January 1953.

3-GP-672
31 December 1947*
Supersedes DND 672

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification for GREASE; GENERAL PURPOSE, NO. 2**

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3. DETAIL REQUIREMENTS

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PRICE 10 cents.

Withdrawn/Retirée

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4. USES

4.1 GREASE; GENERAL PURPOSE, NO.2", is intended primarily for wheel bearing lubrication.

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Withdrawn/Retiree

No. 3-GP-672-1947
Issued 31 December, 1947
Supersedes D.N.D. 672

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Specification for GREASE - GENERAL PURPOSE, NO. 2*

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Withdrawn/Retirée

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Withdrawn/Retiree

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