3-GP-38a
20 December 1956
CANCELLATION
16 September 1966

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

LUBRICATING OIL, GENERAL PURPOSE: Petroleum, Light

CGSB Specification 3-GP-38a, dated 20 December 1956, is cancelled as of 16 September 1966.

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3-GP-38a
20 December 1956
AMENDMENT NO. 1
31 December 1963

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

OIL; MINERAL, HYDRAULIC BUFFER

TITLE* - Cover Page and Page 1 - Change to read:

LUBRICATING OIL, GENERAL PURPOSE: Petroleum, Light

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* This revised title is in accordance with NATO Codified Nomenclature.

Withdrawn/Retirée

CANADA

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

OIL; MINERAL, HYDRAULIC BUFFER

3-GP-38A

20 DECEMBER 1956

Withdrawn/Retirée

THIS SPECIFICATION APPLIES TO A PURE, HIGHLY REFINED MINERAL OIL, FREE FROM AROMATIC COMPOUNDS LIKELY TO CAUSE SWELLING OF OIL-RESISTANT SYNTHETIC RUBBER GLAND PACKINGS.

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

Price

10 CENTS

COMMENTS AND ENQUIRIES REGARDING THE TECHNICAL CONTENT OF THIS SPECIFICATION SHOULD BE ADDRESSED TO THE CGSB SECRETARY.

COMMITTEE ON SPECIFICATIONS FOR
PETROLEUM AND ASSOCIATED PRODUCTS

(Membership at date of approval by the Committee
for submission to the CGSB)

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Barton, H.B.	McColl-Frontenac Oil Co. Limited
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Broughton, J.W.	Division of Mechanical Engineering National Research Council
Campbell, R.O.	British American Oil Co. Limited
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Chisholm, W.H., Major	DST/Department of National Defence
Draper, R.G. (alternate)	Department of Mines & Technical Surveys
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Showalter, H.A.	IS/Department of National Defence
Udall, P.J.	Division of Mechanical Engineering National Research Council
Whitfield, L.F.	Imperial Oil Limited
Williams, F.D.M.	Orenda Engines Limited
Mitton, H.E. (Secretary)	CGSB/National Research Council

Withdrawn/Retirée

3-GP-38a
20 December 1956
Supersedes 3-GP-38
31 December 1947

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

OIL; MINERAL, HYDRAULIC BUFFER

Withdrawn/Retirée

1. DEFINITION

1.1 This specification applies to a pure, highly refined mineral oil, free from aromatic compounds likely to cause swelling of oil-resistant synthetic rubber gland packings.

1.2 For more detailed information on uses, see Section 6.1 below.

2. APPLICABLE PUBLICATIONS

2.1 Reference, to the extent specified herein, is made in this specification to the following documents:

2.1.1 3-GP-0: CGSB Schedule of Methods of Testing Petroleum and Associated Products.

2.1.2 ASTM Standards on Petroleum Products and Lubricants (and latest supplement unless otherwise specified).

2.2 Reference to documents and test methods shall be the issue in effect on the date of invitation to tender, unless otherwise specified.

3. GENERAL REQUIREMENTS

3.1 The oil shall be of light color, clear, and free from water, grit, sediment or other impurities.

4. DETAIL REQUIREMENTS

NOTE: Requirements contained herein are absolute and not subject to corrections for tolerance of test methods. However, if multiple determinations are made, average results will be used.

The finished oil shall comply with the following detail requirements:

		Min.	Max.	Test Method 3-GP-0	Test Method ASTM
4.1	Flash Point (C.O.C.), °F	290	-	-	D92
4.2	Pour Point, °F	-	-50	-	D97
4.3	Viscosity at -15°F				
	Centistokes	-	1300	-	D445
	(Approx. S.U. Seconds	-	6000	-	D446)

		Min.	Max.	Test Method 3-GP-0	Test Method ASTM
4.4	Viscosity at 100°F				
	Centistokes	13	-	-	D445
	(Approx. S.U. Seconds	70	-	-	D446)
4.5	Total Acid Number	-	0.3	-	D974
4.6	Strong Acid Number	-	Nil	-	D974
4.7	Saponification Number	-	1.0	-	D 94
4.8	Aniline Point, °F	185	-	-	D611
4.9	Change in Aniline Point, °F	-	9.9	13.3	-
4.10	Corrosion (Copper Strip), 3 hours at 212°F, No.	-	1	-	D130
4.11	Ash Content, percent by weight	-	0.01	-	D482

5. ACCEPTANCE TESTS, SAMPLING AND TEST METHODS

5.1 Acceptance Tests - Acceptance tests shall consist of tests for all requirements of this specification.

5.2 Acceptance Test Sample - A sample of not less than one Imperial gallon shall be provided for acceptance tests and shall be obtained in accordance with ASTM D270.

5.3 Testing - The methods of testing shall be those in CGSB Schedule 3-GP-0 or in ASTM Standards on Petroleum Products and Lubricants as specified, using the procedure prescribed with each requirement.

6. NOTES

6.1 Intended Uses - Hydraulic oil to this specification is intended principally as a recoil oil for use in all British type recoil mechanisms fitted with leather or synthetic rubber packings. It must not be used in systems fitted with natural rubber glands. It may be used for testing compressed air reservoirs.

6.2 Related CGSB Specifications - Other types of this material are covered by the following CGSB specifications:

6.2.1 3-GP-26b: Oil; Hydraulic, Petroleum Base

6.2.2 3-GP-47: Oil; Hydraulic

6.3 Other Related Specifications - At the time of publication, the undernoted document was a corresponding specification (but not necessarily equivalent):

6.3.1 British Ministry of Defence Specification DEF/2001.

6.4 Information regarding items listed in Section 2 may be obtained from the CGSB Secretary.

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

Withdrawn/Retiree