3-GP-51
CANCELLATION
1 September 1961

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

OIL; LUBRICATING, ENGINE (20W)

CGSB Specification 3-GP-51 dated 31 December 1947, and amendments 1 to 4 inclusive, are cancelled as of 1 September 1961.

3-GP-51
31 December, 1947
AMENDMENT NO. 1
8 August 1950

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

OIL - LUBRICATING, ENGINE (20W)

C. DETAILED REQUIREMENTS

C-1 Physical and Chemical Requirements

The permissible Carbon Residue before oxidation maximum shall be increased from 0.1 percent to 0.15 percent.

Withdrawn/Retirée

3-GP-51
31 December 1947
AMENDMENT No. 2
28 September 1951

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

OIL; LUBRICATING, ENGINE (20W)

C. DETAIL REQUIREMENTS

C-1 Physical and Chemical Requirements

The Viscosity Index, Minimum, shall be reduced from 90 to 85.

Withdrawn/Retirée

3-GP-51
31 December 1947
AMENDMENT NO. 3
21 December 1951

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification for

OIL; LUBRICATING, ENGINE (20W)

C. DETAIL REQUIREMENTS

C-1 Physical and Chemical Requirements

Carbon Residue, percent, before oxidation, max.

Change 0.15 to 0.20.

Note: The carbon residue after oxidation remains unchanged (i.e., original +1, maximum being 1.2 percent).

Withdrawn/Retirée

3-GP-51
31 December 1947
AMENDMENT No. 4
30 June 1952

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

OIL; LUBRICATING, ENGINE (20W)

C. DETAIL REQUIREMENTS

C-1 Physical and Chemical Requirements

add the following new requirement:

	Min.	Max.	Test Method
Ash, per cent by weight	-	0.05	42.9

Withdrawn/Retirée

No. 3-GP-51-1947
Issued 31 December, 1947
Supersedes D.N.D. 51A,
and 3-GP-4-4A2

CANADIAN GOVERNMENT PURCHASING STANDARDS COMMITTEE

Specification for OIL - LUBRICATING, ENGINE (20W)*

A. DEFINITION

A-1 This specification covers one grade of oil, 20W, as designated by the Automotive Manufacturers Association.

B. GENERAL REQUIREMENTS

B-1 This oil shall be a pure, high grade, refined mineral oil, and shall be clear, bright and transparent. It shall be free from suspended matter, sediment, water or other impurities.

C. DETAILED REQUIREMENTS

C-1 Physical and Chemical Requirements

	Min.	Max.	Test Method
Flash Point, °F.	400	-	27.1
Viscosity at 130°F.			
Kinematic, Centistokes	25.2	39.5	36.1
Approx. S.U. Seconds	120	184	36.2
Viscosity Index	90	-	37.1
Pour Point, °F. (Para. C-1a)	-	-20	28.2
Total Acid Number	-	0.10	2.0 or 2.2
Strong Acid Number	-	Nil	2.1 or 2.2
Corrosion	-	Neg.	60.2
Oxidation Test			38.1
Ratio of viscosity (Kinematic) after oxidation, to viscosity before oxidation, at 100°F.	-	2.0	
Carbon Residue, per cent			41.2
Before oxidation	-	0.1	
After oxidation	-	original +1	

C-1a The pour point is intended to cover the requirements of oil used under winter conditions. The requirement may be waived at the option of the purchaser for inside use or outside use in warm weather.

* Other grades of this oil are covered by specifications 3-GP-45, 65, 75, 95 and 115.

Withdrawn/Retirée

C-2 In addition to fulfilling these requirements, diesel lubricating oil may be required to pass a performance test in the model of engine in which it is proposed to use it, to the satisfaction of the testing authority. Diesel oil which complies with all requirements of this specification except those respecting viscosity index and neutralization number may be accepted provided it passes a performance test as above specified. (The exemption respecting total acid number is intended to permit the use of approved addition agents.)

D. USES

D-1 OIL - LUBRICATING, ENGINE (20W) is intended for the lubrication of both gasoline and diesel engines, where specified, and for General Purpose Lubrication.

E. METHODS OF SAMPLING AND TESTING

E-1 A sample of not less than one imperial quart shall be provided for tests and shall be obtained in accordance with section 1.2 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/Retired

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