

STRAIGHT MINERAL OIL (20W) DESIGNATION SA

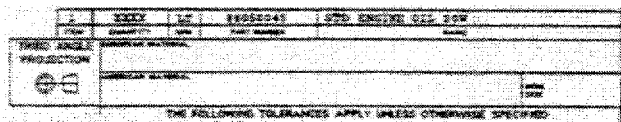
1. SCOPE

1.1 This specification defines the minimum requirements for factory-fill engine oil recommended for use as a "break-in" oil by engine manufacturer.

1.2 This oil is recommended for use as a crankcase oil where increased wear in the initial operation of the engine is desired. It is **NOT** recommended for periodic use and should not be specified for use after fifty (50) hours of operation.

2. DESIGNATION

The part number for this engine oil shall be taken from the part number on the Engineering specification and entered into the parts list as illustrated in FIGURE 1. The name shall be taken from the name of the specification and entered as seen in FIGURE 1. The quantity shall be noted by the specific amount used. The unit of measure shall also be noted as seen in FIGURE 1.



3. APPLICABLE STANDARDS

SAE J183 - Engine Oil Performance And Engine Service Classification;
SAE J300 - Engine Oil Viscosity Classification.

4. VISCOSITY

4.1 Oil supplied under this specification shall have a viscosity within the limits stated below:
at 0°F (18°C):

minimum 2500 cP (2.5 Pa's)
maximum less than 10000 cP (10.0 Pa's)

4.2 The viscosity values of this specification shall be determined in accordance with the latest revision of ASTM D2602.

5. PERFORMANCE

5.1 Oil supplied to this specification shall conform to the properties of SA type oil established in SAE J183.

5.2 The pour point of this oil shall be in the range of -10°F to 18°F (-23.3°C to -27.8°C).

6. APPROVAL OF MATERIALS

Materials defined by this specification must have prior approval by the responsible Materials Engineering Activity. Suppliers desiring approval of their materials shall first obtain and expression of interest from the affected Purchasing, Design or Materials Engineering Activity. Upon request, The supplier shall submit to the affected Materials Engineering Activity its own laboratory report to the specification (test results, not nominal values), the material designation and code number, and test specimens for New Holland evaluation. Upon approval, the material will be added to the Engineering Materials Approved Source List.

					NAME	STD ENGINE OIL 20W	
					 NEW HOLLAND	ENGINEERING SPECIFICATION	
ALL	B	RLF	110229	JUL 97	THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND NORTH AMERICA, INC. AND/OR NEW HOLLAND CANADA, LTD. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.	FRAME 1	OF 2
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APP.	DRAWN		G E	AUG 93			
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MATERIALS / FUELS & LUB's

FNHA-2-C-120.00

7. SUPPLIERS RESPONSIBILITY

7.1 The supplier shall be responsible for the maintenance of the products physical properties and chemical analysis. This specific data shall be related to any product and/or batch code numbers and date identification codes. All data obtained shall be held by the supplier for a minimum of five (5) years. The information shall be made available to New Holland upon request by Materials Engineering or by New Holland Supplier Quality Assistance Personnel.

7.2 All materials supplied to this specification shall be equivalent in all characteristics to the material upon which approval was originally granted. Prior to the making of any changes in the properties, composition, construction, color, dimensions, processing or labeling of the material originally approved under this specification, the supplier shall notify Purchasing and the affected Materials Engineering Activity of the proposed changes and obtain the written acknowledgment of the Material Engineering Activity. Test data, test samples, and a new identification code are to be submitted with the request.

ENGINEERING MATERIALS APPROVED SOURCE LIST			
SUPPLIER	COUNTRY	SUPPLIER CODE	MSDS CODE
ESSO	CANADA	ESSO HDX 20w / 20	
GULF	CANADA	ACME 48	
TEXACO	CANADA	REGAL R. O.68	

PART NUMBER	UNIT OF MEASURE	CONTAINER SIZE	DESCRIPTION
86050045	LITERS	BULK	STD ENGINE OIL 20W

	NAME			PART NUMBER		
	STD ENGINE OIL 20W			86050045		
ENGINEERING SPECIFICATION			REV. B	FRAME 2	OF 2	