



SYNTHETIC BLEND SAE 15W-40 HEAVY DUTY ENGINE OIL

DESCRIPTION

49 NORTH[®] SYNTHETIC BLEND HEAVY DUTY ENGINE OIL is a superior quality synthetic blend made from synthetic and highly refined base oils and specially selected additives designed to meet the requirements of both diesel engine and gasoline engine manufacturers. 49 North's[®] exclusive synthetic blend formulation allows for better start-up in cold temperatures, while maintaining viscosity longer at operating temperatures. 49 NORTH[®] SYNTHETIC BLEND HEAVY DUTY ENGINE OIL resists oxidation longer, giving you longer useful oil life, and better protection from deposit formation. Reduced labour, downtime, and maintenance costs, and increased engine life are all good reasons to use 49 NORTH[®] SYNTHETIC BLEND HEAVY DUTY ENGINE OIL. They'll all give you more profit at the end of each job. And that's the best reason of all.

QUALITIES

49 NORTH[®] SYNTHETIC BLEND HEAVY DUTY ENGINE OIL provides maximum engine protection and engine efficiency at both low operating temperatures and at high speed/high temperature operating conditions. 49 NORTH[®] SYNTHETIC BLEND HEAVY DUTY ENGINE OIL has been designed to provide excellent low temperature properties, improved oxidation and thermal stability, and superior anti-wear characteristics. With very a high viscosity index and low pour point, this oil offers outstanding performance in a wide variety of temperature conditions, giving extended lubricant service and engine life. The high TBN (Total Base Number) of 12.5 reduces engine deposits, most notably in critical piston ring grooves, and maintains power in low emission engines. This drain extendable product radically reduces engine friction, increasing engine life and reducing fuel consumption. It provides excellent flow at low temperatures and is ideal for mixed fleets.

APPLICATIONS

49 NORTH[®] SYNTHETIC BLEND HEAVY DUTY ENGINE OILS are recommended for diesel and gasoline engines that operate on and off highway, many transmissions, air compressors and other applications requiring high quality lubricating oils.

Meets and/or Exceeds Requirements For:

ACEA E5
Allison C-4
API CI-4 PLUS, CI-4, CH-4, CG-4, CF-4, CF/SL
Caterpillar ECF-1, TO-2, Series III, 3100-3500 & D Series
CID A-A-52306-A and 52306
Cummins CES 20078 & 20076
Daimler Chrysler MS 6395-F
Detroit Diesel 6V-92TA
Ford ESE M2C153-E & ESR M2C171-C
Global Specification DHD-1
GM 6094-M
Mack EO-M, EO-M Plus, EO-N
Mercedes Benz 228.3
MIL-PRF-2104G
Volvo VDS, VDS-2, VDS-3

TYPICAL PROPERTIES

SAE Viscosity Grade	15W-40
Product Code	1236
API Gravity (ASTM D-1298)	29.6
Viscosity (ASTM D-445):	
cSt @ 40 ^o C	101
cSt @ 100 ^o C	15.5
SUS @ 210 ^o C	81
Viscosity Index (ASTM D-2270)	160
Brookfield Viscosity (D-5293):	
cPs @ -20 ^o C (7000 max)	Pass
cPs @ -35 ^o C (6200 max)	-
Pour Point (ASTM D-97), ^o F (^o C)	-36 (-38)
Flash Point (ASTM D-92), ^o F (^o C)	420 (216)
Colour (ASTM D-1500)	5.0
Sulfated Ash (ASTM D-874)	1.40
Total Base Number (TBN)	12.5

Lubricants For All Reasons

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