



PREMIUM FLEET SAE 15W-40 HEAVY DUTY ENGINE OIL

DESCRIPTION

49 NORTH® PREMIUM FLEET HEAVY DUTY ENGINE OIL is a superior quality, economically priced, heavy duty fleet engine oil blended from highly refined paraffinic mineral oils and specially selected additives to provide extra protection in both low temperature operations and extended high speed, high temperature operations. 49 NORTH® PREMIUM FLEET HEAVY DUTY ENGINE OIL is designed to meet the requirements of most major diesel and gasoline engine manufacturers including EGR (exhaust gas re-circulation) engines.

QUALITIES

49 NORTH® PREMIUM FLEET HEAVY DUTY ENGINE OIL has a TBN (Total Base Number) of 10.5 which translates into reduced engine deposits, most notably in critical piston ring groove locations, and the ability to maintain power in low emission engines. The product is drain extendable and is formulated to keep the soot, sludge, and varnish, commonly encountered in engines operating on low sulfur diesel fuel with EGR, under control.

APPLICATIONS

49 NORTH® PREMIUM FLEET HEAVY DUTY ENGINE OIL is recommended for most diesel and gasoline engines that are used to operate on and off highway. Our PREMIUM FLEET HEAVY DUTY ENGINE OIL is also suitable for many transmissions, air compressors and other applications requiring high quality engine oil. 49 NORTH® PREMIUM FLEET HEAVY DUTY ENGINE OIL meets the Mack EO-M Plus specification and can be used in all Mack engines except those engines that are under Mack warranty that require EO-N Premium Plus 03. 49 North® Premium Plus 6000 Engine Oil is recommended for Mack warranty EO-N Premium Plus 03 applications.

Meets and/or Exceeds Requirements of:

ACEA E5/B3/A2
Allison C-4
API CI-4, CH-4, CG-4,CF-4, CF/SL
Caterpillar ECF-1, TO-2, Series III, 3100-3500 & D Series
CIDA-A-52306-A & 52306
Cummins CES 20078 & 20076
Daimler Chrysler MS 6395-F
Detroit Diesel/MTU Types 1 & 2
Detroit Diesel 6V-92TA
Ford ESE M2C153-E & ESR M2C171-C
Global Specification DHD-1
GM 6094-M
Mack EO-M, EO-M Plus
Mercedes Benz 228.3
MIL-PRF-2104G
Navistar TIS-85-6
Volvo VDS, VDS-2

TYPICAL PROPERTIES

SAE Viscosity Grade	15W-40
Product Code	11854
API Gravity (ASTM D-1298)	29.6
Viscosity (ASTM D-445):	
cSt @ 40° C	112
cSt @ 100° C	14.5
SUS @ 100° F	570
SUS @ 210° F	78
Viscosity Index (ASTM D-2270)	131
Brookfield Viscosity (D-5293):	
cPs @ -20° C (7000 max)	Pass
Pour Point (ASTM D-97), °F (°C)	-29 (-34)
Flash Point (ASTM D-92), °F (°C)	420 (216)
Colour (ASTM D-1500)	5.5
Sulfated Ash (ASTM D-874)	1.20
Total Base Number (TBN)	10.5

Lubricants For All Reasons