

ADVANCED HEAVY DUTY CK-4 ENGINE OIL

PRODUCT CODE: 26671, 26681

DESCRIPTION

49 NORTH® ADVANCED HEAVY DUTY CK-4 ENGINE OILS contain a new formulation designed to meet the newest API and OEM service categories and specifications for newer diesel engines with advanced emission control systems. These systems use exhaust gas recirculation, diesel particulate filters and catalysts that are sensitive to the wrong oil.

QUALITIES

49 NORTH® ADVANCED HEAVY DUTY CK-4 ENGINE OILS are formulated with a high quality, high viscosity index base stock, and a proven additive system with the proper balance of metallic detergents and dispersants, multipurpose inhibitors, and a shear stable viscosity index improver. 49 NORTH® ADVANCED HEAVY DUTY CK-4 ENGINE OILS have been proven to protect diesel particulate filter (DPF) emission systems against ash and particulate build up. In addition it provides improved engine protection from oxidation, soot, deposits, varnish, wear, acids, viscosity shear loss, and oil consumption.

APPLICATIONS

49 NORTH® ADVANCED HEAVY DUTY CK-4 ENGINE OILS have an outstanding TBN retention formulation which gives excellent engine protection in severe service conditions for both new and old diesel engines. Typical applications include:

- Four-stroke naturally aspirated and turbocharged diesel engines.
- Newer (2007+) low emission engines with exhaust after treatment devices.
- Pre-2007 engines specifying an older API or OEM oil performance category.
- Engines using ultra low sulfur diesel fuel.

49 NORTH® ADVANCED HEAVY DUTY CK-4 ENGINE OILS have been approved for use in the following applications:

- CUMMINS : CES 20086
- FORD : WSS-M2C171-F1

FEATURES & BENEFITS

Excellent cold flow properties provide faster lubrication during cold starts, maximizing engine life.

Formulation designed to protect catalyst, particulate filters, and other emission components providing less engine down time.

Super deposit control minimizes oil consumption.

Prevents wear by providing stable viscosity at high temperature, high load conditions.

Improved oxidation control and wear protection throughout the oil drain interval.

CONTACT

Email: info@49northlubricants.com
www.49northlubricants.com

Toll Free: 1.800.463.0354
Facsimile: 780.986.9650

6611 - 45 Street
Leduc, Alberta
Canada T9E 7E3

TYPICAL PROPERTIES

SAE Viscosity Grade	15W-40	10W-30
Product Code	26671	26681
API Service	CK-4	CK-4
Viscosity, Kinematic		
cSt @ 40°C	120	81
cSt @ 100°C	15.5	12.0
Viscosity Index	135	142
Pour Point, °C	-39	-42
MRV-TP1, @ -30°C	23,100	21,800
CCS, cP @ -25°C	6,500	6,500
TBN, ASTM D2896	10	10
Sulfated Ash, wt%	< 1.0	< 1.0

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

MEETS OR EXCEEDS API AND OEM SERVICE CATEGORIES

	15W-40	10W-30
API CK-4	X	X
Cummins 20086, 20081, 20078, 20071	X	X
Cummins 20077, 20076, 20072	X	
Caterpillar ECF-3, ECF-2	X	X
Detroit Diesel 93K222, 93K218, 7SE270	X	X
Mack EOS-4.5, EO-O Premium Plus, EO-N Premium Plus, EO-N Plus	X	X
Ford WSS-M2C171-F1	X	X
Volvo VDS-4.5, VDS-4/3	X	X
Daimler Mercedes Benz 228.3	X	
Global DHD-1	X	
ACEA E7-08	X	
ACEA E9-08	X	X
JASO DH-2	X	X
MIL-L-2104 E/F	X	X
Allison C-4	X	X
Allison C-3	X	

HEALTH & SAFETY

A complete Safety Data Sheet (SDS) is available upon request.

PACKAGE SIZES

Available in Bulk, 1211L totes, 208L Drums, 20L Pails, 6x 3.78L cases

CONTACT

Email: info@49northlubricants.com
www.49northlubricants.com

Toll Free: 1.800.463.0354
Facsimile: 780.986.9650

6611 - 45 Street
Leduc, Alberta
Canada T9E 7E3