



SYNTHETIC SAE 5W40 CK-4 NR

DESCRIPTION:

- Specially formulated to ensure superior lubrication and long life.
- Premium grade diesel engine oil that provides protection and oxidation resistance for highly rated diesel engines running in severe service conditions.
- Shown to be versatile as well as able to meet the grueling demands of today's low emission diesel engines, as well as the older models which are using both low and high sulfur fuels.
- Recommended for use in a variety of heavy duty uses as well as operating environments.

FEATURES/BENEFITS:

- Performs well in low emission diesel engines which increase the demands on engine lubricants.
- Delivers the best performance in late model engines, as well as older engines.
- Excellent soot handling capabilities.
- Exemplary thermal stability and oxidation control.
- Contains properties which provide anti-wear and anti-scuff.
- Contains extended TBN reserves which provide improved acid neutralization and corrosion protection.
- Maximizes oil flow to the critical bearing surfaces during start up.
- Has stay-in-grade sheer stability.
- Extended drain capabilities- excellent water tolerance.

APPLICATIONS:

- On the highway applications for light and heavy duty trucking.
- Off the highway applications such as trucking, construction, agriculture and quarrying.
- Various mixed fleet applications.

Suitable For Use:

- API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4
- API SN, SM, SL
- ACEA E9-12
- Mack EO-M Plus, EO-N Premium Plus 03, EO-O Premium Plus 07, & EOS 4.5
- Cummins CES 20086
- Volvo VDS-3, VDS-4
- Mercedes Benz P228.31, P228.51
- Detroit Diesel 93K222, 93K218, 93K215, 93K214
- Caterpillar ECF2, ECF3
- JASO DH-2
- MTU Type I & II
- MTU Type 2.1
- Man 3575
- Allison C-4
- Renault RLD-3, RLD-4



- Ford WSS M2C171-E, WSS M2C171-F1
- DEUTZ DQC III-10 LA
- DAIMLER MB228.31

*PLEASE NOTE: ALWAYS CONSULT YOUR OWNER'S MANUAL FOR YOUR PROPER FLUID EQUIPMENT.

TYPICAL TEST DATA

SAE Grade	5W40
Specific Gravity @ 60°F	0.8459
Viscosity, Kinematic cSt at 40°C	92.2
cSt at 100°C	15.2
Viscosity Index	175
Flash Point, (°F)	426
Pour Point, °C (°F)	-39 (-38)
Cold Crank, cP at -30°C	5225
Color	5.5
TBN	10

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.