

Product Data Sheet

Heavy Duty Diesel Engine Oil Synthetic (CK-4) Premium Gold

SAE: 15W40
Product Code: 304

OVERVIEW

Heavy Duty Diesel Engine Oil Synthetic CK-4

15W-40 is formulated with all synthetic base stocks and exceeds the latest API diesel engine oil specifications as well as the warranty and performance requirements of most diesel engine manufacturers. This full synthetic product is designed for use in model year 2017 and newer heavy-duty diesel engines in severe, high-output service, as well as being fully backwards compatible to engines requiring any API C service class.

FEATURES / BENEFITS

Heavy Duty Diesel Engine Oil Synthetic CK-4 15W-40 is specifically designed to provide enhanced performance in heavy duty diesel engines, increased temperature stability and superior wear protection. It provides year-round protection in all operating conditions, while its robust additive package has excellent detergency for long engine life and component serviceability. It provides outstanding protection, exceptional oxidation stability and excellent shear stability over any previous API category.

- 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

Heavy Duty Diesel Engine Oil Synthetic CK-4 15W-40 is recommended for over-the-road diesel trucks, off-highway diesel equipment, farm tractors, and passenger cars and light trucks with diesel engines, turbo-charged or non-turbo-charged, where an API CK-4 or earlier C class oil is specified.

SPECIFICATION /Suitable for Use Claims

Exceeds Performance Requirements: API CK-4, CJ-4, CI-4, CI-4 PLUS, CH-4, CF-4 CF • ACEA E9-16, E9-08 & E7-04 • Caterpillar ECF-3, ECF-2, ECF-1a, TO-2 • Cummins CES 20086, 20081, 20077 & 20076 • Detroit Diesel 7SE270, PG PGOS, 93K222, 93K218, 93K214 • Deutz DQC III-10 LA • Ford WSS-M2C171-F1 • International Harvester / Navistar • JASO DH-2 • Mack EOS-4.5, EO-O Premium Plus, EO-N Premium Plus, EO-M, • MAN 3575 • Mercedes-Benz 228.31 • MTU MTL 5044 Type 2.1 • Renault VI RLD-4, RLD-3 • Volvo VDS-4.5, VDS-4, VDS-3, VDS-2

ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER LUBRICANT OIL FOR YOUR EQUIPMENT.

TYPICAL TEST DATA

PRODUCT CODE	304
SAE GRADE	15W-40
API/ILSAC/ACEA Specifications	0.899
Viscosity, cSt @ 100°C	14.8
Viscosity, cSt @ 40°C	111
Viscosity, CCS cP @ -20°C	5000
Viscosity Index	139
Pour Point, °C	-43
Flash Point, °C	229
Zinc, Wt. (%)	0.123
Calcium, Wt. (%)	0.254
Sulfate Ash, Wt. (%)	1.0
Nitrogen, Wt. (%)	0.130
Phosphorus, Wt. (%)	0.108
TBN (D2896)	10

The above test data are average values only. Minor variations which do not affect product performance are to be expected during manufacturing. Specific PDS for each product will be provided upon purchase.