

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

**SAE:** 15W40  
**Product Code:** 305

### OVERVIEW

#### Heavy Duty Diesel Engine Oil Synthetic-Blend CK-4

15W-40 is a premium synthetic blend engine oil formulated to exceed the latest API diesel specifications as well as the warranty requirements of most manufacturers of diesel engines.

- 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

#### Heavy Duty Diesel Engine Oil Synthetic-Blend CK-4

15W-40 uses selected synthetic and premium conventional base stocks, the latest additive technology, and a superior star structure polymer to ensure it is built to withstand the rigors of today's severe service duty. It provides improved performance over competitive products. **Heavy Duty Diesel Engine Oil Synthetic-Blend CK-4** 15W-40 can be used in over-the-road diesel trucks, off-highway diesel equipment, farm tractors, stationary equipment, and any vehicle or diesel engine where an API CK-4 or earlier C class oil is specified.

- Performs well in low emission diesel engines which increase the demands on engine lubricants.
- Delivers the best performance in late model 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-Blend CK-4

15W-40 is designed for use in model year 2017 and newer heavy-duty diesel engines in high output service, as well as being fully backwards compatible to engines requiring any API C service class. It provides robust protection, increased oxidation stability and excellent shear stability over any previous API category.

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

### 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, E9-12, E7-04 • Caterpillar ECF-3, ECF-2, ECF-1a, TO-2 • Cummins CES 20086,20081, 20077 & 20076 • Detroit Diesel 93K222, 93K218, 93K214, 7SE270, PG PGOS • Deutz DQC III-10 LA • Ford WSS-M2C171-F1 • 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 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

<b>PRODUCT CODE</b>	305
<b>SAE GRADE</b>	15W-40
<b>API/ILSAC/ACEA Specifications</b>	CK-4/E9-16, E9-12, E7-04
<b>Viscosity, cSt @ 100°C</b>	15.8
<b>Viscosity, cSt @ 40°C</b>	116
<b>Viscosity, CCS cP @ -20°C</b>	5200
<b>Viscosity Index</b>	145
<b>Pour Point, °C</b>	-41
<b>Flash Point, °C</b>	229
<b>Zinc, Wt. (%)</b>	0.127
<b>Calcium, Wt. (%)</b>	0.105
<b>Sulfate Ash, Wt. (%)</b>	1.0
<b>Nitrogen, Wt. (%)</b>	0.105
<b>Phosphorus, Wt. (%)</b>	0.115
<b>TBN (D2896)</b>	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.