

# Synthetic Blend 15w40 - Technical Data Sheet

## 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.

## Meets Performance Requirements:

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4
- API SN
- ACEA E9-12, E9-16
- CUMMINS CES 20086
- MACK EOS 4.5
- MB 228.31
- DDC 93K222
- CATERPILLAR ECF-3
- VOLVO VDS-4.5
- RENAULT VI RLD-4
- MTU TYPE 2.1
- DEUTZ DQC III-10 LA
- FORD WSS-M2C171-F1
- MAN 3575

\* ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER FLUID FOR YOUR EQUIPMENT.

<b>SAE Grade</b>	<b>15w40</b>
<b>Specific Gravity @ 60° F</b>	<b>.8731</b>
<b>Viscosity, Kinematic cSt at 40° C</b>	<b>116.3</b>
<b>Viscosity, Kinematic cSt at 100° C</b>	<b>15.4</b>
<b>Viscosity Index</b>	<b>139</b>
<b>Flash Point, (°F)</b>	<b>400</b>
<b>Pour Point, °C (°F)</b>	<b>-36 (-32.8)</b>
<b>Cold Crank, cP at -20°C</b>	<b>5,440</b>
<b>Color</b>	<b>5.5</b>
<b>TBN</b>	<b>10</b>

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