

# Capitale Lubricants

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## 15W-40 HEAVY DUTY ENGINE OIL

### PRODUCT SPECIFICATIONS & TECHNICAL DATA

**HD 15W-40** is a super high performance Extended Life, Heavy Duty engine oil that provides outstanding performance in the most severe diesel and gasoline engine application.

#### **HEAVY DUTY 15W-40 VISCOSITY GRADE:**

The multi-grade provides both the excellent flow properties of an SAE 15W grade in a cold engine at start up and the higher temperature properties of a SAE 40 after the engine warms up to operating temperature. This feature makes it an ideal choice for operations in a wide range of climatic conditions.

#### **FUEL SAVINGS:**

The fuel saving benefits of **HEAVY DUTY 15W-40** in heavy duty equipment has been demonstrated conclusively in numerous field and laboratory engine tests.

#### **DIESEL POWERED EQUIPMENT:**

**HEAVY DUTY 15W-40** can be used wherever CI-4, CH-4, CG-4, CF-2, CF, CE, CD-II, CD. It also meets the Specifications Requirements. In addition, to laboratory engine sequence, and fuel economy road tests, **HEAVY DUTY 15W-40** engine oil, has been tested in diesel engines in field service of varying severity.

#### **EXTENDED LIFE:**

The test data indicated that a fleet operator with a good preventative maintenance program can extend diesel engine drain intervals. **HEAVY DUTY 15W-40** and lubrication will be equal or superior to that provided by oils that require shorter change intervals. Because individual operations may vary widely in severity, it is always advisable to utilize a program of used oil analysis in making any major change in oil drain intervals.

**GASOLINE POWERED EQUIPMENT:**

**HEAVY DUTY 15W-40** is fully qualified for use. It meets the engine performance requirements. As extended drain intervals have not been evaluated in gasoline engines, engine manufacturers oil change recommended should be followed.

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**PERFORMANCE:**

**HEAVY DUTY 15W-40** is specially formulated to save fuel in diesel trucks and provide excellent performance with all recommended applications. It is extremely resistant to the formation of high temperature deposits, and compared to more conventional oils, retains its alkalinity for longer periods of time or miles of service. As a result, engines operated with **HEAVY DUTY 15W-40** generally have very low ring belt deposit levels and the corrosive wear caused by organic acids are minimized because of the ability of the oil to neutralize them. In numerous field tests, **HEAVY DUTY 15W-40** has been shown to provide excellent control of oil consumption better than competitive premium oils.

**TYPICAL ANALYSIS**

<b>GRAVITY</b>	<b>27.7</b>
<b>POUR POINT °C</b>	<b>-32</b>
<b>POUR POINT °F</b>	<b>-25</b>
<b>FLASH POINT °C</b>	<b>221</b>
<b>FLASH POINT °F</b>	<b>430</b>
<b>VISCOSITY:</b>	
<b>cSt @ 40° C</b>	<b>140</b>
<b>cSt @ 100° C</b>	<b>16.2</b>
<b>SUS @ 100° F</b>	<b>650</b>
<b>SUS @ 210° F</b>	<b>84</b>
<b>VISCOSITY INDEX</b>	<b>145</b>
<b>ZINC MASS %</b>	<b>0.13</b>
<b>SULFATED ASH @ 780° C</b>	
<b>@ 780° C (1450° F) MASS %</b>	<b>0.9</b>
<b>TOTAL BASE NO.</b>	<b>12</b>

The above analyses are typical inspections only and the finished product may vary from batch to batch.