

CITGO CITGARD® TRANSIT LOW ASH
ENGINE OIL SAE 15W-40



Date 01/10

- DESCRIPTION:** CITGO CITGARD Transit-Low Ash Engine Oil SAE 15W-40 has been reformulated to meet the increasing performance requirements of newer engine technology. The new formula inherits the benefits of many years of exceptional performance in 4-cycle engine applications.
- This proven experience makes this product particularly beneficial in stationary 3500 series Caterpillar engines demanding optimum service intervals and long engine life. CITGO CITGARD Transit-Low Ash Engine Oil SAE 15W-40 is designed to effectively combat sludge and varnish formation in the new high-output, low-emission engine designs. CITGO CITGARD Transit-Low Ash Engine Oil SAE 15W-40 can be used in most types of diesel-powered equipment when one product is needed.
- BENEFITS:**
- Excellent detergent control of piston ring deposits in highly stressed engines.
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 - Excellent fuel soot dispersancy and oxidation resistance to protect against excessive oil viscosity increase.
 - Superior wear protection and friction reduction.
 - Excellent high-temperature/high-shear rate viscosity without sacrificing low-temperature viscosity.
 - Excellent TBN retention to prevent corrosion wear.
 - Proven oil consumption control in heavy-duty service.
 - Meets manufacturers' warranty requirements.
 - Excellent shear stability to assure stay-in-grade performance
- CAPABILITIES:** Caterpillar ECF-3
Cummins CES 20081
Detroit Diesel 93K218
Mack EO-N Premium Plus 2003
Volvo VDS-3
- APPLICATIONS:** CITGO CITGARD Transit-Low Ash Engine Oil SAE 15W-40 is targeted for high performance Caterpillar 3500 series engines operating in stationary high production applications such as on and off-shore drilling where optimum engine and oil service life is needed to reduce maintenance costs.

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Date 01/10 - (Continued)

TYPICAL PROPERTIES:**CITGO CITGARD® TRANSIT LOW ASH ENGINE OIL SAE 15W-40**

SAE Grade	15W-40
Material Code	622335001
Gravity, ASTM D 287, °API	29.7
Density, lbs/gal	7.31
Flash Point, ASTM D 92, COC, °F (°C)	442 (228)
Viscosity, ASTM D 445, cSt at 40° C	115
cSt at 100° C	15.2
Viscosity Index, ASTM D 2270	138
HTHS Rate Viscosity at 150°C, ASTM D 4683, cP	4.2
CCS Viscosity at -20°C, ASTM D 5293, cP	6000
MRV Pumpability at -25°C, ASTM D 4684, cP	19100
MRV Yield Stress at -25°C, ASTM D 4684	<35
Pour Point, ASTM D 97, °F (°C)	-22 (-30)
Color, ASTM D 1500	L3.5
Sulfated Ash, ASTM D 874, m%	1.0
Total Base Number, ASTM D 2896, mg KOH/g	10