

# CJ-4 -SynBlend HDMO Oil 15W40 (API CJ-4, CI-4, CH-4/SN, CI-4 Plus, TBN 8)

- Our CJ-4 SynBlend HDMO Heavy Duty Motor Oil 15W40 is a high-performance multi-grade parasynthetic lubricant designed for use in high speed, four-stroke diesel engines as well as carbureted, fuel injected, turbocharged and supercharged gasoline engines in both heavy duty and normal operating conditions. Product approved under API Licensed #3355.
- Formulated with a high-viscosity index Type II paraffinic base stock and a special additive package designed for superior protection against wear, corrosion, oxidation and varnish.
- Enhances engine performance, extends oil life, eases cold-starts, and eliminates viscosity breakdown.
- API category CJ-4 was introduced for high-speed/four-stroke cycle diesel engines designed to meet 2010 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines.
- Our oil is formulated for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm (0.05% by weight). However, the use of these oils with greater than 15 ppm (0.0015% by weight) sulfur fuel may impact exhaust after treatment system durability and/or drain interval. (when using CJ-4 oil with higher than 15 ppm sulfur fuel, consult the engine manufacturer for service interval).
- Available in Bulk, 275Gall, 55Gall, 5Gall, 3/1Gall.



## Typical Inspections

Typical Inspections	Method	Typical Results
Color	Visual	Brilliant, Amber
Density Lbs/Gal	Gardner	7.38
API Gravity	ASTM D-1298	29.5
Specific Gravity @ 15.6°C	ASTM D-1298	0.884
Viscosity Index	ASTM D-2270	136
Pour Point °C (°F)	ASTM D-97	-24 (-15)
Flash Point C.O.C. °C (°F)	ASTM D-92	240 (464)
Fire Point C.O.C. °C (°F)	ASTM D-92	250 (482)
Viscosity @ 40°C, cSt	ASTM D-445	108.1
Viscosity @ 100°C, cSt	ASTM D-445	14.2
Sulfated Ash, wt%	ASTM D-874	1.2

## Typical Results

## Meets/Exceeds Specifications

SAE 15W40  
API CJ-4, CI-4, CH-4/SN CI-4 PLUS  
TBN 8  
ACEA E7-08 (2010)  
ACEA E6-08 (2010)  
ACEA E4-08 (2010)  
ACEA E2-96 (2007)  
ACEA B3-98 (2002)

## Meets/Exceeds OEM Requirements

Caterpillar ECF-3, ECF-2, ECF-1a  
Cummins CES-20081  
Mack EO-O Plus 07  
MAN 271  
Mercedes Benz 228.31, 229.1, 228.1  
MTU Type 1  
Renault Truck RD/RD-2  
Volvo VDS-4/VDS-2