



HEAVY DUTY DIESEL ENGINE OIL

EcoPower® Heavy Duty Diesel Engine Oil is specifically engineered to meet the latest requirements for EGR / EGP engines. 15W-40 meets or exceeds API CK-4/SN, and is backwards compatible with CJ-4, CI-4 PLUS, CI-4 and CH-4. 10W-30 meets or exceeds API CK-4, and is designed to maximize fuel economy in today's current engine.

Highest quality re-refined Group II+ base oils with exceptional purity and lubricating properties that are as good or better than base oils made from crude oil

State-of-the-art performance additives including viscosity index improvers, detergents, dispersants, and anti-wear agents provide maximum protection against breakdown and engine wear

EcoPower® Heavy Duty Diesel Engine Oil meets, exceeds, or carries the approvals to match the performance requirements of the following: MACK EOS- 4.5, EO-0 Premium Plus, EO-N, Volvo VDS-4.5, VDS-4, VDS-3, Caterpillar ECF-3, ECF-2, Cummins CES20086, CES 20081, CES 20087, DD DFS, 93K222, DFS 93K218, DFS 93K233, Daimler MB 228.31, MTU Category 2.1 and Renault RLD-4, RLD-3, Ford WSS-M2C171-F1 and Deutz DQC III-10 LA

EcoPower® engine oils are guaranteed to be made with 100% twice refined (re-refined) Group II+ base oils. They not only perform for your applications, but the environment as well.

Performance Impact: Meets, exceeds, or carries the approvals for your equipment's lubrication requirement, specifications and demands. They are made using state-of-the-art performance additives providing you with:

- Unmatched varnish, sludge and carbon deposit control
- Low valve train, ring and linear wear
- Extra protection against bearing and bushing corrosion
- Boosted oxidation control to minimize oil thickening
- Excellent high-temperature stability
- Controlled oil thickening for good filterability with newer, high soot producing, emission controlled engines

Environmental Impact: Our lubricants are also beneficial for the environment:

- Conserves valuable, non-renewable resources
- Takes up to 85% less energy to produce than oils made from crude according to recent (Department of Energy study)
- Reduces greenhouse gas emissions up to 80%

ECOPOWER PRODUCT PROPERTIES		
SAE Viscosity Grade	10W-30	15W-40
API Service Category	CK-4	CK-4 / SN
Kinematic Viscosity		
cSt @ 40°C	81.7	113.9
cSt @ 100°C	12.2	15.6
Viscosity Index	145	145
CCS Viscosity		
cP @ - 20°C		5500
cP @ - 25 C	6200	
MRV Viscosity		
cP @ -25°C		22200
cP @ - 30 C	23600	
TBN	10.0	10.0
Specific Gravity 15.6°C (60°F)	0.865	0.869
Flash Point, °C (°F)	237 (459)	226 (439)
Pour Point, °C (°F)	-39 (-38)	-33 (-27)
Sulfated Ash, wt%	1.0	1.0
Color (ASTM)	L 4.0	L 4.0
Values above are representative of current production and may vary within modest ranges. Last Revised: 10/18		