



UNITED ECO-MAX

Product Description

Mineral Diesel Engine Oil formulated to meet heavy-duty oil API CK-4 criteria for heavy-dutyvehicles. This oil improves engine performance that are being addressed which includes oxidation stability, shear stability and aeration.

This oil not only meets API credentials, but also is also designed to meet the latest original equipment manufacturers (OEMs) performance specifications in appropriate grades and base stocks - including Caterpillar, Cummins, Detroit Diesel, Mack, Renault, Volvo, Mercedes-Benz, MAN, and Ford. It also meets the self-certifying requirements of ACEA E9.

Applications / Benefits

- * Better protect engines, minimizes oil consumption
- * Satisfying most diesel engine OEM oil demands
- * Hydro-treated base, inherent thermal-stability and anti-oxidation property
- * Provide better fuel economy, and reduce GHG emissions

Typical Characteristics

Test Description	Method	Unit			
SAE Viscosity Grade Density @ 15 °C Flash Point Pour Point Kinematic Viscosity @ 40°C Kinematic Viscosity @ 100°C Viscosity Index TBN	SAE J 300 ASTM D 4052 ASTM D 92 ASTM D 97 ASTM D 445 ASTM D 2270 ASTM D 2896	kg/L °C °C cSt cSt mgKOH/g	10W30 0.875 220 -27 82.7 11.8 135 9.8	10W40 0.872 218 -30 103 14.7 148 9.8	15W40 0.877 224 -24 111 14.7 136 9.8
CCS HTHS	ASTM D 5293 ASTM D 5481	cP cP	≤7000 ≥3.5	≤7000 ≥3.5	≤7000 ≥3.7



Specifications, Approvals & Recommendations

API CK-4

SN IN SAE 10W40 & 15W40 API

ACEA E9 ACEA E7

* ALLISON TES 439 IN SAE 15W40

* CATERPILLAR ECF-3 * CUMMINS CES 20086 * CUMMINS CES 20081 * DETROIT DIESEL DFS 93K222 * DETROIT DIESEL DFS 93K218 * DEUTZ DQC III

* FORD WSS M2C171-F1

* JASO DH-2 * MACK EOS-4.5

* MACK **EO-O Premium Plus**

* MACK EO-N * MAN M3775 * MERCEDES BENZ 228.31 * MTU Category 2.1 * RENAULT RLD-4 * VOLVO VDS-4.5

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