



MOTUL TEKMA ULTIMA 10W-40

Lubricant for turbocharged diesel engines
Lubricant for Turbocharged diesel engine
Synthetic Technology

TYPE OF USE

Synthetic technology lubricant. Specially designed for the last generation of trucks, buses, construction machinery, farm machinery, stationary engines, boat engines running with low sulfur fuel (<50 ppm). Low emissions turbo Diesel direct injection engines, Euro II, Euro III, Euro IV, Euro V or Euro VI emission regulation compliant, fitted with EGR system (Exhaust Gas Re-circulation) and extended drain intervals.

PERFORMANCES

ACEA E4 beschreibt Anforderungen an scherstabile LKW-Motorenöle hinsichtlich Russaufnahme-vermögen, Verschleißschutz, für Fahrzeuge mit AGR bzw. SCR-System.

ACEA E7 ersetzt seit 2004 ACEA E5 und E3 stellt besonders hohe Anforderungen an das Motorenöl hinsichtlich Verschleißschutz, Viskositätsstabilität, Rußbindung und Motorensauberkeit.

VORTEILE FÜR MOTOR UND UMWELT

Hervorragender Verschleißschutz bereits in der Kaltstartphase durch schnelle Durchölung auch bei extrem niedrigen Temperaturen.

Sehr hohes Druckaufnahmevermögen garantiert höchste Schmiersicherheit auch in extremen Temperaturbereichen.

Besonders empfohlen für verlängerte Wartungsintervalle.

Leistungsfördernd in den oberen Drehzahlbereichen durch Leichtlaufeigenschaften

Extrem hohe alkalische Reserve (TBN) neutralisiert zuverlässig saure Komponenten, welche über die Verbrennung in den Ölkreislauf gelangen.

Schützt zuverlässig vor Verschleiß.

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

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RECOMMENDATIONS

Drain interval: refer to manufacturers' recommendations and adjust to your own use.
Can be mixed with synthetic or mineral oils.

PROPERTIES

Viscosity grade	SAE J 300	10W-40
Density at 20°C (68°F)		0.864
	ASTM D445	89.2 mm ² /s
Viscosity at 40°C (104°F)	ASTM D445	13.4 mm ² /s
Viscosity at 100°C (212°F)	ASTM D2270	151.0
Viscosity Index	ASTM D97	-36.0 °C / -33.0 °F
Pour point		
TBN	ASTM D2896	16.1 mg KOH/g
Flash point	ASTM D92	228.0 °C / 442.0 °F

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STANDARDS	
ACEA	E4/E7 (E7 replaces E5 and E3)
API	CF
DEUTZ	DQC-III
MACK	EO-N
MAN	3277
MERCEDES-BENZ	MB-Approval 228.5
RENAULT TRUCKS	RVI RLD-2
SCANIA	LDF-3 (compatible LDF-2 and LDF)
VOLVO	VDS-3
OEM PERFORMANCES	
DAF	Extended Drain
MTU	Type 3, Type 3

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