



ENGINE OILS

ADDINOL ULTRA TRUCK MD 0538

PRODUCT DESCRIPTION

ADDINOL Ultra Truck MD 0538 is a XHPD engine oil in SAE-grade 5W-30.

The comprehensive constructional development of engine components assures the observance of the Euro III emission limits, the usage of fuels with a sulphur content of less than < 0.05% provided.

Leading manufacturers of commercial vehicles have formulated the required demands on suitable engine oil and classified them in companies' approvals.

APPLICATION

- Commercial vehicles' engines with oil change intervals > 100,000 km (MB commercial vehicles in long-distance-traffic)
- Excellent suitability for RME-operations (biodiesel). Consider the reduction of oil change intervals as formulated in the new regulations of the vehicle manufacturers
- For all highly-charged commercial vehicles' diesel engines with intercooling

DELIVERY

Delivery preferable in drums and 20L cans.

SPECIFICATIONS / APPROVALS

Meets and exceeds the international specifications of:

- ACEA E4/E7
- API CI-4
- JASO DH-1
- Global DHD-1

Approved according to:

- MB-approval 228.5
- MAN M 3277
- MTU oil category 3

Complies with the requirements of:

- DAF
- Cummins CES 20078/76
- Caterpillar ECF-2
- Deutz DQC IV-10
- Volvo VDS-3
- Renault RXD/RLD-2
- Scania LDF
- MACK EO-N/EO-M Plus

CHARACTERISTICS

- Best detergent-dispersant behaviour
- Excellent protection against wear and reduced friction
- High ageing stability
- Specific choice of the components
- Best thermal-oxidative stability low-temperature behaviour
- Excellent elastomer compatibility

ADVANTAGES AND BENEFITS

- Excellent engine cleanliness with protection against mechanical and corrosive wear
- Long oil change intervals and friction reduction on moving engine components
- Reliable lubrication under all operating conditions
- Reduced pollutant output caused by the lubricant
- Outstanding cold-start and warming-up performance, even at very low outdoor temperatures
- Improved protection against leakages





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		Ultra Truck MD 0538	Method acc. to
Appearance			clear, free from contaminations	visual
Approvals			MB-approval 228.5 MAN M 3277 MTU-oil category 3	OEM standards
SAE grade	J 300		5W-30	ASTM
ACEA			E4/E7	Laboratoy and engine tests acc. to ASTM and CEC
API			CI-4	
Density	at 15°C	kg/m ³	855	DIN 51757
Viscosity	at 100°C	mm ² /s	11.5	ASTM D 7042
Viscosity index			160	DIN ISO 2909
HTHS-Viscosity	at 150 °C	mPa*s	≥ 3.5	ASTM D 4683
TBN		mg KOH/g	12.6	DIN ISO 3771
Flash point	COC	°C	225	DIN EN ISO 2592
Pour point		°C	-35	ASTM D 7346
Pumpability		°C	down to -35	ASTM D 4684

ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.