

# CARRAROIL

## Engine TurboLub™ 10W-40

**Special performance Engine Oil formulated with innovative technologies. Developed specifically for vehicles with modern exhaust after treatment and turbocharger. Good cold starting properties, ageing stability for high efficiency of fuel-economy over the whole drain-interval.**

### Description

Engine TurboLub 10W-40, suitable also for commercial vehicles, is an engine oil formulated with innovative concept oils. This formula provides maximum fuel-economy over the whole drain-interval due to outstanding oxidation and ageing stability. Engine TurboLub 10W-40 guarantees optimum protection properties for modern diesel particulate filters and catalysts, providing improved durability of the components and engine. The special formula ensures minimum evaporation loss, reducing oil consumption and turbocharger deposits. This new technology offers maximum performance over the entire temperature range and ensures good cold start properties even at very low temperatures. Engine TurboLub 10W-40 exceeds conventional UHDP lubricants in versatility and performance thanks to new and specific technology used.

### Application

Engine TurboLub 10W-40 is specifically developed for the new technologies used in modern engines for commercial, agricultural and construction equipment vehicles equipped with the new exhaust gases post treatment systems. Thanks to the extensive performance profile Engine TurboLub 10W-40 can also be used as a rationalization product also for older vehicles. It is miscible and compatible with all mineral-based and synthetic engine oils, even if the best performance is obtained with the complete replacement of the oil.

For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Specifications

- ACEA E9/E7/E6
- API CI-4
- CAT ECF-1-a

### Approvals

- DEUTZ DQC IV -10 LA
- MACK EO-M PLUS / EO-N
- MAN M 3271-1/MAN M 3477
- MB-APPROVAL 228.51 / 235.28
- MTU DDC TYP 3.1
- RENAULT RXD/RGD/RLD-2
- SCANIA LA
- VOLVO VDS-3/CNG

### Raccomandations

- CUMMINS CES 20077
- DAF
- MAN M 3277 CRT

## Advantages

- Additional reduction (over 0,5%) of the fuel consumption over the whole drain-interval, due to the innovative technology used, compared with the quality engine oils of the same SAE-viscosity grade.
- Prevents from deposits in engines and turbochargers reducing maintenance costs
- Up to 20% better pumpability to lubricate properly even at low temperatures.
- Up to 24% less oil consumption
- Increased drain-intervals ensuring cleaning and longevity of the engine
- Improved ageing stability
- Best protection for modern exhaust gas after treatment systems
- Excellent wear protection even under high operation conditions

## Average characteristics

<b>Properties</b>	<b>U. M.</b>	<b>Value</b>	<b>Test Method</b>
Density at 15°C	g/ml	0.856	DIN 51757
Viscosity CCS at -25° C	mPa.s	4100	DIN 51377
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	84,00	DIN 51562-1
at 100°C	mm <sup>2</sup> /s	13,50	DIN 51562-1
Viscosity Index		164	DIN ISO 2909
Flash Point CoC	°C	246	DIN ISO 2592
Pour Point	°C	-36	DIN ISO 3016