

## ESSENTIAL TRUCK SAE 5W-30 M-LA

Low-ash motor oil on the basis of HC-synthetic oils and fully synthetic PAO's (poly-alpha-olefins).

### Description

ESSENTIAL TRUCK SAE 5W-30 M-LA is a low-ash motor oil. It is based on specific HC-synthetic oils and fully synthetic PAO's (poly-alpha-olefins). It has been developed for modern diesel engines with exhaust after-treatment systems in trucks, buses and construction machines.

### Application

ESSENTIAL TRUCK SAE 5W-30 M-LA has been developed for use in diesel engines subject to high stress, with extended maintenance intervals and exhaust after-treatment systems. It is used in vehicles with diesel particle filters (DPF), SCR catalytic converters (Selective Catalytic Reduction), and exhaust gas recirculation systems (EGR). Its concept enables a wide spectrum of usage in accordance with manufacturer specifications, guaranteeing safe operation. ESSENTIAL TRUCK SAE 5W-30 M-LA is also suitable for gas engines in accordance with manufacturer's specifications.

### Additionally this product is recommended when the following filling instructions are required

- ACEA E6/E7/E9
- API CJ-4/SN
- Caterpillar ECF-3
- Cummins CES 20081
- Deutz DQC IV-10 LA
- Detroit Diesel 93K218
- JASO DH-2
- Mack EO-O PP/EO-N PP/EO-M Plus
- MAN M3677/M3477/M3271-1
- MB 228.51/228.31
- MTU Type 3.1
- Renault RXD/RLD-3/RLD-2/RGD
- Volvo VDS-4/VDS-3/CNG

### Benefits

- SAE 5W-30 viscosity for fuel efficiency and reduced CO2 emission
- for use with low-emission diesel engines
- reliable cold start
- safe year-round operation
- increased oxidation stability
- stable lubricating film and good wear protection, even when oil is hot and under high stress
- enables extended change intervals in accordance with manufacturer specifications
- low oil consumption
- good protection against corrosion and black sludge
- mixable and compatible with conventional and synthetic motor oils. In order to fully utilise all the product advantages of ESSENTIAL TRUCK SAE 5W-30 M-LA, a complete oil change is recommended.



## ESSENTIAL TRUCK SAE 5W-30 M-LA

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.855
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	72,5
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	12,2
Viscosity index	ASTM D-7042	-	166
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	225
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-27
CCS	ASTM D-5293	cP @ °C	5000 @ -30
Total base number	DIN 51639-1	mgKOH/g	10,0
HTHS	ASTM D4683	mPas	3,5
Sulphated ash	ASTM D874	wt-%	≤ 1

The characteristics shown are typical of current production. This data cannot be constructed as a legally binding warranty or guaranty of certain product properties or of the suitability of the product for a specific application. ROWE products are continually improved. Therefore ROWE reserves the right to change all the technical data in this product information at any time without notice. All sales and deliveries shall be subject to our current General Terms and Conditions of Sale and Terms ([www.rowe.com.de](http://www.rowe.com.de)).

