

## HIGHTEC TRUCKSTAR LV SAE 5W-30

High-performance engine oil of the latest generation with lowered HTHS viscosity based on HC synthesis oils.

### Description

HIGHTEC TRUCKSTAR LV SAE 5W-30 is a modern low-ash engine oil with lowered HTHS viscosity (High Temperature High Shear). It is based on special HC synthesis oils in combination with state-of-the-art additive technology. Developed especially for modern diesel engines with exhaust-gas aftertreatment systems. Thanks to its SAE viscosity class 5W-30 with low HTHS viscosity, it fully exploits the fuel economy potential of modern engine concepts.

### Application

HIGHTEC TRUCKSTAR LV SAE 5W-30 combines European and American low-ash specifications. It is eminently suitable for vehicles with exhaust-gas aftertreatment systems such as diesel particulate filters (DPF), SCR (Selective Catalytic Reduction) catalytic converters and increased exhaust-gas recirculation rates (EGR). Its modern concept permits a wide range of applications in accordance with manufacturer specifications and helps to save fuel and thus reduce operating costs.

### Approvals

- DTFR 15C130 (ex MB 228.61)

### Specifications

- API FA-4/SN
- JASO DH-2
- CAT ECF-3
- Cummins 20087
- Detroit Diesel 93K223

### ROWE recommendations

- Volvo VDS-5

### Advantages

- Fuel saving due to lowered HTHS viscosity (High Temperature High Shear)
- First-class rationalisation grade with wide application spectrum for commercial vehicles, buses and construction machinery
- State-of-the-art additive technology for modern engine concepts
- Protects exhaust-gas aftertreatment systems through low sulphated ash, phosphorous and sulphur values (Low SAPS)
- Excellent soot carrying capacity reliably prevents deposits in the engine and turbocharger
- Reliable operation over the entire change interval thanks to excellent viscosity-temperature behaviour and high shear stability
- Stable lubricant film and optimum wear protection even with hot oil and extreme loads
- High oxidation protection through selected HC synthesis oils and special additivation
- Miscible and compatible with conventional and synthetic engine oils. However, a full oil change is recommended to benefit from all the product advantages of HIGHTEC TRUCKSTAR LV SAE 5W-30.

### Notes

- The engine oil specification required by the vehicle manufacturer and the SAE viscosity class must always be observed.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.855
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	10,0
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	57,5
Viscosity index	ASTM D2270	-	160
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	> 210
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-33
CCS	ASTM D-5293	cP @ °C	5450 @ -30
Total base number	DIN 51639-1	mgKOH/g	9,8
Noack	ASTM D5800	%	< 10

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply ([www.rowe-oil.com](http://www.rowe-oil.com)).

