

## HIGHTEC TRUCKSTAR SAE 10W-40 X-TRA

UHPD low friction engine oil of viscosity grade SAE 10W-40 made from HC synthesis base oils. Especially developed for diesel engines with extended service intervals in lorries, buses and working machines.

### Description

HIGHTEC TRUCKSTAR SAE 10W-40 X-TRA is an ultra-high performance diesel (UHPD) engine oil made from a special composition of HC synthesis oils and the most advanced additives.

### Application

HIGHTEC TRUCKSTAR SAE 10W-40 X-TRA was developed especially for use in highly stressed diesel engines of lorries, buses and construction machinery. According to the manufacturer's specifications, it is used in normal or extended service intervals. The high-quality formula allows a wide spectrum of use and guarantees safe operation even under difficult conditions.

### Approvals

- Mack EO-N
- MAN M 3277
- MB-Freigabe 228.5
- Renault RLD-2
- Scania LDF-3
- Volvo VDS-3

### Equivalent quality in accordance with EU-law as per

- ACEA E4,E7
- DAF Extended Drain
- Deutz DQC III-10
- MTU Type 3
- Renault RD-2/RLD/RXD
- Scania LDF/LDF-2

### This product is also recommended when the following filling instructions are required

- API CF

### Advantages

- Fuel savings through low friction characteristic
- Safe year-round operation owing to outstanding viscosity-temperature behaviour
- Reliable corrosion and black sludge protection
- Stable lubricating film and optimal wear protection even with hot oil and extreme stress
- Makes extremely long service intervals possible according to manufacturer's specifications
- Very low oil consumption owing to low evaporation loss
- High oxidation protection owing to carefully selected HC synthesis oils and selected additives
- Miscible and compatible with conventional and synthetic engine oils. However, to take full advantage of the product benefits of HIGHTEC TRUCKSTAR SAE 10W-40 X-TRA, we recommend a full oil change.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.866
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	13,7
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	92,5
Viscosity index	ASTM D2270	-	150
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	236
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-27
CCS	ASTM D-5293	cP @ °C	6850 @ -25
Total base number	DIN 51639-1	mgKOH/g	15,4
HTHS	ASTM D4683	mPas	3,9
Sulphated ash	ASTM D874	wt-%	1,8
Noack	ASTM D5800	%	8,5

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)).

