

## HIGHTEC FORMULA GT SAE 10W-40 HC

SHPD low viscosity engine oil based on HC synthetic base oils. Eminently suited to mixed vehicle fleets with petrol and diesel engines in passenger cars, heavy-goods vehicles, work machines and agricultural machinery.

### Description

HIGHTEC FORMULA GT SAE 10W-40 HC is a Super High Performance Diesel (SHPD) engine oil produced using HC synthetic oils. Its high level of performance is achieved through the interaction of selected base oils and advanced additives.

### Application

HIGHTEC FORMULA GT SAE 10W-40 HC is particularly suitable for vehicles equipped with Otto and diesel engines, with or without turbocharging. It is used in mixed vehicle fleets in engines from different manufacturers according to the manufacturer's specification. Its modern design makes a wide range of applications possible and ensures safe operation under all operating conditions.

### Approvals

- Deutz DQC III-18
- Mack EO-N
- MB-Freigabe 228.3
- MTU Type 2
- Renault RLD-2
- Volvo VDS-3

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

- ACEA E7
- ACEA A3/B4
- API CI-4
- Cummins CES 20071/-72/-75/-76/-77/-78
- Detroit Diesel 93K215
- GLOBAL DHD-1
- JASO DH-1
- Mack EO-M PLUS
- MAN M 3275-1
- MB 229.1

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

- Iveco 18-1804 T1/T2-E7
- Allison C-4
- CAT ECF-1-a
- Fiat 9.55535-G2/D2

### Advantages

- First-class economy grade for multi-functional use in different brands of diesel and Otto engines
- Suitable for both passenger cars and commercial vehicles, as well as agricultural and construction machinery
- It combines the specifications of European, American and Japanese manufacturers
- Eminently suitable for turbocharged engines
- Prevention of adhesion, lacquering and coking of cylinders, pistons, valves and turbochargers in a reliable manner
- Safer year-round operation due to outstanding viscosity-temperature behaviour and high shear stability
- Stable lubricating film, even with hot oil and under excessive loads
- Very low oil consumption
- High level of oxidation protection by means of selected HC synthetic oils and special additives
- Reliable protection against 'black sludge'
- Proper functioning of hydraulic tappets (hydraulic valve clearance compensation)
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC FORMULA GT SAE 10W-40 HC, a complete oil change is recommended.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.862
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	14,2
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	92,0
Viscosity index	ASTM D2270	-	158
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	240
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
CCS	ASTM D-5293	cP @ °C	5600 @ -25
Total base number	DIN 51639-1	mgKOH/g	10,1
HTHS	ASTM D4683	mPas	4,1
Acid number		mgKOH/g	< 1
Sulphated ash	ASTM D874	wt-%	≤ 1,5

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)).

