

## HIGHTEC FORMULA SAE 10W-50 TS-Z

High-performance engine oil with HC synthetic base oils. Developed specifically for use in 4-stroke motorcycles with wet-running oil bath clutches.

### Description

HIGHTEC FORMULA SAE 10W-50 TS-Z is a high-performance engine oil of SAE grade 10W-50 produced using HC synthetic oil and selected base oils. Its exceptionally high level of performance is achieved through the interaction of this special base oil composition and the advanced additives.

### Application

HIGHTEC FORMULA SAE 10W-50 TS-Z is particularly suitable for all 4-stroke motorcycles with a shared oil circulation system for the engine, clutch and gears. It is characterised by a high thermal load capacity and provides a stable lubricating film, even under continuous stress. In so doing, it meets the stringent friction coefficient JASO MA2 requirements for best clutch performance.

### Specifications

- API SN/SM/SL/SJ/SH/SG
- JASO MA2

### Advantages

- Outstanding protection against wear and corrosion of the engine and gears
- Stable lubricating film, even with hot oil and under high loads
- Extremely stable to shear stress - 'Stay-in-grade'
- Excellent clutch performance; meets the stringent JASO MA2 requirements
- Good cold viscosity ensures fast lubrication and low 'cold wear'
- High level of oxidation protection by means of selected HC synthetic oils and special additives
- Miscible and compatible with conventional and synthetic motorcycle engine oils. However, in order to exploit the full product benefits of HIGHTEC FORMULA SAE 10W-50 TS-Z, a complete oil change is recommended.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.861
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	18,4
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	126,8
Viscosity index	ASTM D2270	-	163
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	>210
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-27
CCS	ASTM D-5293	cP @ °C	5100 @ -25
Total base number	DIN 51639-1	mgKOH/g	7,5

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)).

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