PRODUCT INFORMATION

HIGHTEC SYNT HC ECO-FO SAE 5W-20

Extremely fuel-efficient, high-performance engine oil based on HC synthetic technology. Developed specifically for Ford petrol engines that require oil in conformity with WSS-M2C948-B.

Description

HIGHTEC SYNT HC ECO-FO SAE 5W-20 has been developed specifically for Ford Otto engines from the Eco Boost generation. It is based on selected HC synthetic base oils in conjunction with the most advanced additive technology.

Application

HIGHTEC SYNT HC ECO-FO SAE 5W-20 meets the Ford WSS-M2C948-B requirements and is mandatory for Ford Eco Boost 1.0 3-cylinder engines. In addition, it is strongly recommended for use in all petrol engines that require an oil in compliance with WSS M2C913-B, C-M2C913 and M2C925-B. Compared to previous products, HIGHTEC SYNT HC ECO-FO SAE 5W-20 once again offers improved fuel saving potential with unvarying or improved wear protection properties.

The quality of this product is equivalent to EU regulations

- ACEA C5
- API SN
- Ford WSS-M2C948-B
- Jaguar Land Rover STJLR.03.5004

Benefits

- SAE 5W-20 viscosity grade for improved fuel efficiency and reduced CO2 emissions
- Reliable cold start, even at the lowest temperatures, and quick lubrication of the engine
- Safer year-round operation due to outstanding viscosity-temperature behaviour and high shear stability
- It is backward compatible with the former WSS-M2C913-B, M2C 913-C and M2C925-B specifications in petrol engines
- Highest oxidation stability due to special HC synthetic oils
- Stable lubricating film, even with hot oil and under excessive loads, and the best wear protection
- Low oil consumption due to a low evaporation loss
- Outstanding protection against corrosion and black sludge
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC SYNT HC ECO-FO SAE 5W-20, a complete oil change is recommended.

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.851
Kinematic viscosity KV 40	ASTM D-7042	mm^2/s	45,4
Kinematic viscosity KV 100	ASTM D-7042	mm^2/s	8,4
Viscosity index	ASTM D-7042	-	162
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	232
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-38
CCS	ASTM D-5293	cP @ °C	4200 @ -30
Total base number	DIN 51639-1	mgKOH/g	7,8
HTHS	ASTM D4683	mPas	2,7

ROWE MINERALÖLWERK GMBH
Langgewann 101, D-67547 Worms