



PRODUCT DATA SHEET

Havens Robusta FA SAE 5W30 API FA-4

DESCRIPTION

Havens Robusta FA SAE 5W30 API FA-4 - is an advanced fully synthetic heavy-duty diesel engine oil. It is lower in viscosity grades to help maximize fuel economy without compromising durability for next generation engines.

PROPERTIES

This lubricant assures:

- Emission system protection that can contribute to system durability and performance
- Enhanced fuel economy potential and extended oil drain interval capability
- Excellent oxidation stability that helps reduce engine deposits to keep engines running reliably

APPLICATIONS

This product meets or exceeds the requirements of the latest API and ACEA industry specifications for diesel engine oils, as well as the requirements of many major American, and European engine manufacturers. However, Havens Zircon Novus FE FA-4 is limited in backwards compatibility. Designed to provide optimized fuel economy for 2017 engines and beyond that are designed to capitalize on these improvements.

PERFORMANCE LEVELS

Meets and exceeds:

API FA-4; CES 20087; DDC 93K223

TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	HAVENS ZIRCON NOVUS FE
Viscosity Grade			5W30
Density @ 15°C	ASTM D1298	kg/l	0.850
Viscosity @ 100°C	ASTM D445	cSt	10.2
Viscosity @ 40°C	ASTM D445	cSt	62
Viscosity Index (min)	ASTM D2270	-	153
Cold Crank Simulator	ASTM D5293	cP	6,310 @ -30 °C
Pour Point	ASTM D97	°C	-42
Flash Point	ASTM D92	°C	238
Total Base Number (TBN)	ASTM D2896	mg KOH/g	11

The values shown above are typical values at the date of publication. Havens Lubricants reserves the right to change these typical values without prior notice.

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.havenslubricants.com.