



PRODUCT DATA SHEET

Havens Safeguard SAE 5W30 ACEA C2 C3, API SP, SN PLUS, SN/CF

DESCRIPTION

Havens Safeguard SAE 5W30 ACEA C2 C3, API SP, SN PLUS, SN/CF is a very high performance, fully synthetic MID SAPS lubricant for gasoline and diesel engines, including the ones complying with ACEA C2/C3 standard. Havens Jade Optimum is formulated to reduce pollutant emissions, such as HC, NOx, CO and particles and to protect and ensure longevity of post treatment anti-pollution systems, such as particulate filters (GPF, DPF) and three-way catalysts. Havens Jade Optimum also helps to lengthen the engine life thanks to its excellent resistance to temperature variations and permits an extra-long oil change interval.

PROPERTIES

This lubricant assures:

- Protects engines from wear and deposit build-up
- LSPI protection
- Fuel Economy
- GPF, DPF protection

APPLICATIONS

This product meets or exceeds the requirements of the latest API and ACEA industry specifications for petrol engine oils, as well as the requirements of many major American, and European engine manufacturers. Suitable for use in both gasoline and diesel passenger cars and light commercial vehicles.

PERFORMANCE LEVELS

Meets and exceeds: ACEA C2/C3; API SN; API SN Plus; MB 229.31/229.51/229.52 (approval) ; BMW LL04; dexos 2; Renault RN0700; Renault RN0710; RN17 level; VW 504.00/507.00 (approval); Porsche C30; Fiat 9.55535-S3; Ford WSS-M2C917-A; PSA B71 2290; PSA B71 2297



TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	Havens Safeguard SAE 5W30 ACEA C2 C3, API SP, SN PLUS, SN/CF
Viscosity Grade			5W30
Density @ 15°C	ASTM D1298	kg/l	0.850
Viscosity @ 100°C	ASTM D445	cSt	12.1
Viscosity @ 40°C	ASTM D445	cSt	72.8
Viscosity Index (min)	ASTM D2270	-	164
Cold Crank Simulator	ASTM D5293	cP	6,600 @ -30 °C
HTHS Viscosity 150°C	-	mPa.s	3.58
Pour Point	ASTM D97	°C	-45
Flash Point	ASTM D92	°C	254
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8

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