

#### DESCRIPTION

- MD Oils SAE 5W-30 API SP, ACEA C2/C3 is a top-tier multi-grade engine oil. Formulated with premium base oils and high-quality additives, it prolongs engine life and prevents lubrication-related failures. Its extensive temperature range stability ensures reliable protection under all operating conditions.

#### APPLICATIONS

- Designed for both gasoline and diesel engines equipped with three-way catalytic converters (TWCs) and diesel particulate filters (DPFs), it surpasses conventional oil protection. Ideal for modern technologies demanding mid-SAPS content, it excels under normal to severe conditions.

#### Performance Features and Benefits

- Superior engine wear protection.
- Advanced cleansing technology to effectively combat dirt, sludge, and engine deposits.
- Optimal fluidity and stable viscosity across a wide temperature range, utilizing premium pour point depressants and viscosity index improvers (VII).
- Reliable engine protection during startup, warm-up, and normal driving.
- Long-term wear protection of critical parts (distribution, rings, liners), increasing engine life.
- Versatile use in both Diesel & Gasoline engines.

#### Recommendations / Specifications

International Standards:

- API SP - ACEA C2/C3 - MB 229.31
- Meets the quality requirements of most gasoline and diesel engine manufacturers in the USA, Europe, Africa, Japan, and Korea.

#### Typical Characteristics

Properties	Unit	Test Method	Typical Values
Viscosity Grade	-	SAE J300	SAE 5W-30
Density @ 15°C	g/cm <sup>3</sup>	ASTM D4052	0.852
Cold Cranking Viscosity(CCS) @ -30°C	mPa.s	ASTM D5293	5706
Kinematic Viscosity @ 40°C	cSt	ASTM D445	69.24
Kinematic Viscosity @ 100°C	cSt	ASTM D445	11.71
Viscosity Index	-	ASTM D2270	165
Flash Point (COC)	°C	ASTM D92	226
Pour Point	°C	ASTM D97	-39
Total Base Number	mg KOH/g	ASTM D2896	8.22
Noack Evaporation Loss	%wt.	ASTM D5800	8.6

- Note: The typical characteristics shown in this document are representative of current production. While future production will conform to MD Oils specifications, variations in these characteristics may occur within normal manufacturing tolerances.
  - Health & Safety: Based on available information, this product is not expected to cause adverse health effects when used for its intended application and in accordance with the recommendations provided in the Safety Data Sheet (SDS). SDS are available on request through your local sales office or via our website.
- This product should not be used for applications other than its intended purpose.  
When disposing of used product, take care to protect the environment and comply with local regulations.



- Excellent thermal and oxidation stability.
- Reduces internal wear through the use of advanced base oils.
- Cleans and protects both modern and older engines.
- Meets the most demanding car manufacturers' requirements.
- Maintains engine seal flexibility and integrity.