Product Data Sheet

Product Description

POWER7 SAE 5W-20 and SAE 5W-30 are advanced premium synthetic engine oils engineered to deliver outstanding protection, fuel efficiency and long-lasting performance for modern gasoline engines. Formulated with high-purity synthetic base oils and next-generation additive technology, these lubricants provide excellent protection against wear, oxidation, sludge and deposit formation while maintaining exceptional engine cleanliness throughout the oil service interval. The advanced formulation provides excellent low-temperature fluidity for rapid lubrication during cold starts while maintaining strong oil-film protection at high operating temperatures. POWER5 7W-20 and 5W-30 are particularly suitable for modern turbocharged, direct-injection and high-output gasoline engines.

Applications

POWER7 SAE 5W-20 and SAE 5W-30 are recommended for modern passenger cars, SUVs, light-duty trucks and gasoline powered vehicles requiring API SN / SN Plus and ILSAC performance levels. They are particularly suitable for modern naturally aspirated, turbocharged and Gasoline Direct Injection (GDI) engines where protection against Low-Speed Pre-Ignition (LSPI), deposit formation and high-temperature oxidation is required. SAE 5W-20 provides excellent low temperature pumpability, rapid cold-start lubrication and reduced internal friction, making it suitable for engines designed to operate with lower-viscosity oils and improved fuel economy. SAE 5W-30 provides excellent cold-start performance combined with increased oil-film strength at operating temperature, making it suitable for a broad range of modern gasoline engines operating under normal and severe driving conditions.Always select the viscosity grade specified by the vehicle manufacturer.

Performance Features

Strong protection against LSPI and turbocharger-related deposits. Excellent wear protection for extended engine life. Outstanding thermal and oxidation stability. Excellent low-temperature fluidity and rapid cold-start lubrication. Optimized for modern turbocharged and GDI engines. Advanced protection against sludge, varnish and piston deposits. Maintains engine cleanliness throughout the oil service interval. Low volatility helps reduce oil evaporation and oil consumption. Maintains viscosity and protective oil-film strength under demanding operating conditions. Helps reduce friction and supports improved fuel economy. Compatible with modern emission-control systems. Provides reliable protection during high-temperature and severe-service operation.

Meets & Exceeds Specifications

POWER7 SAE 5W-20 and SAE 5W-30 are formulated for applications requiring performance levels including:

API SN / SN Plus
ILSAC GF-6A
ACEA A1/B1

GM dexos1™ Gen 3 — performance-based, non-licensed, Ford WSS-M2C962-A1, Ford WSS-M2C961-A1, Ford WSS-M2C945-B1
Chrysler MS-6395, Toyota T-III / T-IV — where applicable, Nissan GT-R / QR25DE Oil Specifications — where applicable
Mercedes-Benz MB 229.71 / 229.72 — formulation/application dependent, non-certified

Always refer to the vehicle manufacturer's manual for the required SAE viscosity grade and performance specification.



Typical Properties

Properties	Test Method	5W-20	5W-30
API Performance Level	-	SN/CF	SN/CF
SAE Grade	SAEJ300	5W-20	5W30
Viscosity @ 100°C (cSt)	ASTMD445	8.5	11
Viscosity @ 40°C (cSt)	ASTMD445	46	70
Viscosity Index (VI)	ASTM D2270	155	148
Flash Point (COC), °C	ASTMD92	≥215	≥225
Pour Point, °C	ASTMD97	≤-36	≤-36
Total Base Number (TBN), mg KOH/g	ASTM D2896	10.0	10.0
Density @ 15°C (g/cm3)	ASTM D4052	0.870	0.875

Handling, Health & Safety

Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. In case of contact with skin, wash with soap and water. Do not ingest. If swallowed, do not induce vomiting, seek medical attention immediately. Use in a well ventilated area and avoid inhaling oil mist or vapors.Keep out of reach of children and animals.
Disposal: Used engine oil should be disposed of in accordance with local environmental regulations. Do not pour used oil into drains, soil, or water sources.For detailed safety information, refer to the Safety Data Sheet (SDS) of this product.