

## IDEMITSU SN/GF-5 0W-20

### Fully Synthetic Fuel Economy Engine Oil

#### Description and Application

IDEMITSU has partnered with some of the world's largest vehicle manufacturers to develop technologically advanced engine oils that deliver the highest levels of fuel economy. Idemitsu engine oils offer enhanced wear protection in some of the most demanding operating conditions. The unique combination of the highest quality synthetic base oil and high performance additive components enable engines to achieve maximum levels of efficiency, torque and horsepower. By minimizing wear and maintaining the engine virtually free of harmful deposits, Idemitsu motor engine oil helps extend engine life.

At Idemitsu we are committed to designing energy efficient, environmentally friendly products. The Idemitsu 0W-20 delivers on this commitment by reducing vehicle greenhouse gas emissions, protecting emission control systems and reducing gasoline consumption. The fully synthetic formulation with robust additive technology provides the potential to extend oil drain intervals, thus reducing the amount of waste oil generated.

#### Features and Benefits



**Maximum Fuel Economy:** Synthetic base oils combined with advanced friction modifying additive technologies reduce friction and improve lubricant flow characteristics to deliver the highest level of fuel economy.



**Engine Protection without Compromise:** Incorporates unique and potent additive components to provide outstanding protection against engine wear. It minimizes the formation of deposits, even under extreme testing conditions.



**Reduced Oil Consumption and Lower Emissions:** Engineered to provide extremely low volatility and high piston cleanliness which means less oil burn-off and emissions.

#### Typical Characteristics

Test	Unit	Method	Typical Results
Appearance	----	Visual	Clear Amber Liquid
Density @ 15°C	g/cm	ASTM D4052	0.844
Kinematic Viscosity @ 40°C	cSt	ASTM D445	44.8
Kinematic Viscosity @ 100°C	cSt	ASTM D445	8.47
Viscosity Index		ASTM D2270	169
HTHS Viscosity @ 150°	cP	ASTM D4883	2.6
CCS Viscosity @ -35° C	cP	ASTM D5293	5,500
MRV TP-1 Viscosity @ -40°C	cP	ASTM D4684	15,500
Flash Point, COC	°C	ASTM D92	232
NOACK Volatility	% Wt. Loss	ASTM D5800	11.4

#### Specifications & Approvals

API SN (backwards compatible to API SM, SL, SJ, SH...)

ILSAC GF-5 (backwards compatible to ILSAC GF-4, GF-3, GF-2, GF-1)

Honda, Toyota, Mitsubishi, Subaru and other OEM Performance requirements\*

\* Where SAE 0W-20 is specified. Always consult your vehicles maintenance guide for detailed instructions.



**Idemitsu engineers** advanced technology motor engine oils that provide superior fuel economy and unsurpassed engine protection under the most severe operating conditions. It is no surprise that Idemitsu has been selected as the provider of factory and service-fill automotive lubricants to many of the largest global vehicle manufacturers.

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**Idemitsu is ISO Certified:**

ISO 9001:2008  
ISO 14001:2004  
ISO/TS 16949:2009



*Idemitsu Lubricants America Corporation  
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