

IDEMITSU SN/GF-5 5W-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 combined with enhanced wear protection, even under the most demanding operating conditions. The unique combination of the highest quality synthetic base oils and performance additive components enable high performance engines to achieve maximum levels of efficiency, torque and horsepower while at the same time extending the durability of the engine by minimizing wear and maintaining the engine virtually free of harmful deposits.

We are committed to designing energy efficient, environmentally friendly products. IDEMITSU 5W-20 delivers on this commitment by reducing vehicle greenhouse gas emissions, protecting emissions 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	0.848
Kinematic Viscosity @ 40°C	cSt	ASTM D445	47.6
Kinematic Viscosity @ 100°C	cSt	ASTM D445	8.50
Viscosity Index		ASTM D2270	156
HTHS Viscosity @ 150°	cP	ASTM D4883	2.7
CCS Viscosity @ -30° C	cP	ASTM D5293	4,309
MRV TP-1 Viscosity @ -35°C	cP	ASTM D4684	12,200
Flash Point, COC	°C	ASTM D92	232
NOACK Volatility	% Wt. Loss	ASTM D5800	9.2

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)

Recommended for all domestic and import vehicles where to use of API SN/ILSAC GF-5 performance engine oil is indicated*

* Where SAE 5W-20 viscosity grade 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.

Idemitsu Lubricants America Corp.



Detroit Sales Office
3000 Town Center, Ste 2820
Southfield, MI 48075



+1 248.355.0666



SAT@ilacorp.com



ww.ilacorp.com



Idemitsu is ISO Certified:

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



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