



## Idemitsu Racing 5W-40

### Fully Synthetic Pro Racing Engine Oil

#### Description and Application

Idemitsu Racing 5W-40 is engineered to deliver the ultimate in horsepower and torque output without compromising on wear protection for modern racing engines.

The advanced base oil formulation, with its 'high-performance additive' [HPA] technology, helps racing engines operate smoothly in the most challenging racing conditions whilst always maintaining high protection standards.

#### Features and Benefits

- Contains precisely controlled molybdenum agents to reduce friction and generate higher horsepower & torque, as is specially needed in racing engines.
- Allows for improved sealing of the chamber thereby generating significantly greater power.
- Extends the life of turbochargers by reducing bearing coking
- Minimizes exhaust port clogging.
- Superior shear stability allows for optimal lubrication film thickness between metal surfaces under severe race conditions.
- Exceptional wear protection helps protect main bearing and eccentric shaft – a critical component in racing vehicles

Characteristics	Units	Test Method	Typical Value
Density @15°C	g/cm <sup>3</sup>	ASTM D4052	0.850
Kinematic Viscosity @40°C	mm <sup>2</sup> /s	ASTM D445	80.5
Kinematic Viscosity @100°C	mm <sup>2</sup> /s	ASTM D445	13.3
Viscosity Index	-	ASTM D445	167
MRV Viscosity @ -35°C	mPa-s	ASTM D4684	19000
HTHS Viscosity @ 150°C	mPa-s	ASTM D4683	4.0
CCS Viscosity @ -30°C	mPa-s	ASTM D5293	4600
NOACK Volatility	% wt Loss	ASTM D5800	8.5

#### Idemitsu Lubricants America Corporation

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## Technical Data Sheet

#### Recommended Use

Idemitsu Racing 5W-40 meets the performance requirements of:

- Japanese Racing Cars
- Wankel Rotary Engines

#### Please note:

- Fully-compatible for use in turbo charged and super-charged applications where 5W-40 is specified by manufacturer.
- Always fill crankcase to manufacturer's recommended level
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#### Health and Safety

Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use. To request the SDS, please email at: [sds@ilacorp.com](mailto:sds@ilacorp.com)

#### Idemitsu is ISO Certified

ISO 9001

ISO 14001

IATF 16949



*Typical properties are provided as reference and may vary slightly. They do not constitute a specification.*

*Product formulations and information contained herein are subject to change without notification.*

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