

PRODUCT DATA SHEET

A1 SUPER SYNTHETIC HYBRID

A1 SUPER SYNTHETIC HYBRID is a high performance lubricant using synthetic technology, specially developed for Gasoline Hybrid car engines, meeting and complying with the requirements of the latest direct injection engines and conventional engines as well.

Low viscosity and tenacious film characteristics provides the necessary performance needed for Hybrid engine which is subjected to frequent on-off start-ups and exerts excessive wear on the engine. Hybrid protects against this potential excessive wear and extends engine's life.

BENEFITS

- Ensuring sustainable high performance, thus meeting the needs of the engines in term of extended and better oil drain intervals.
- Guaranteeing high & constant quality by excellent detergent properties giving greater engine cleanliness for enhanced performance.
- High Viscosity Index resulting in stable viscosity during operation and super-fast pump-ability to all internal engine parts.
- Superior anti-wear properties protecting the engine's most sensitive parts.
- Easy cold start and ideal lubrication at elevated temperature, ensures low oil consumption and cold start protection against wear.

SPECIFICATIONS & APPROVALS

Builder Approvals:

- API SN
- ILSAC GF-5

Meets or exceeds the requirements of:

- MB 229.31
- VW 502.00/505.00
- BMX Long-life-04

APPLICATIONS

- Recommended for all Hybrid Gasoline engines in cars and light vehicles.
- All turbocharged and multi-valved engines.
- Suitable for most severe operating conditions, on highways, dense city traffic & in extreme weather conditions.
- Suitable & exceeds the performance requirements of most European, Japanese and American car manufacturers.

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE	TEST METHOD
SAE GRADE	-	5W-20	-
Specific Gravity @ 15 °C	-	0.830	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	49.86	ASTM D-445
Viscosity @ 100 °C	mm ² /s	8.61	ASTM D-445
Viscosity Index	-	151	ASTM D-2270
Flash Point, COC	°C	226	ASTM D-92
Base Number	mg KOH/g	8.65	ASTM D-2896
Color	-	2.0	ASTM D-1500
Pour Point	°C	-42	ASTM D-97
Product Code		1170	

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

