

# SAE 0W-20 C5 Full Synthetic Engine Oil

## PRODUCT DESCRIPTION

SAE 0W-20 C5 Full Synthetic Engine Oil is a very high-performance engine oil designed for use in high performance gasoline and diesel fueled engines.

## APPLICATIONS

SAE 0W-20 C5 Full Synthetic Engine Oil is designed and recommended for use in gasoline and diesel engines specifying high performance, low viscosity full synthetic engine oil. Special chemical composition offers extended service life and outstanding economy in highly fuel-efficient modern engine designs.

Applications for use include gasoline and diesel engines, with or without turbo-charging; including diesel engines with pump-injector-unit, TDI, or common rail designs. Specially formulated to meet the demanding requirements of ACEA C5 as well as the specification requirements of other demanding European OEM applications.



## SPECIFICATIONS AND APPROVALS

SAE 0W-20 C5 Full Synthetic Engine Oil is formulated and specifically recommended for the lubrication of modern gasoline and diesel engines including TDI and common rail designs. Specifications where SAE 0W-20 C5 Full Synthetic Engine Oil is recommended for use includes (but not limited to):

- ACEA C5
- API SP Resource Conserving
- BMW LL-17 FE+
- Chrysler MS-12145
- Fiat 9.55535-GSX
- Ford WSS-M2C947-B1/WSS-M2C962-A1
- GM Dexos™
- MB 229.71/229.72
- Jaguar Land Rover STJLR.03.5006
- Volvo VCC RBS0-2AE



## FEATURES AND BENEFITS

SAE 0W-20 C5 Full Synthetic Engine Oil is formulated using a careful selection of high-performance, specialty synthetic base oils and additive chemistry. Robust technology meets the demanding specifications of European OEM's including the resistance of oxidation oil thickening and sludge formation inside the engine. Premium base oils ensure maximum engine efficiency and therefore contribute to overall fuel economy as designed by the engine manufacturers.

This advanced formulation is a high tech, highly shear stable product meeting the HTHS (High Temperature High Shear) requirements of current specifications from European engine manufacturers specifying low viscosity engine oils. Meeting such specifications ensures that the original fuel economy targets are maintained throughout the service life of the vehicle. Special additive chemistry provides reliable, long term protection of diesel particulate filters and other exhaust after treatment devices.

SAE 0W-20 C5 Full Synthetic Engine Oil provides value through the following benefits:

- **Extended engine life** – Reduced friction for excellent protection against engine wear.
- **High viscosity index** – Highly resistant to viscosity shear loss and thermal breakdown from extended high temperature operation for long lubricant life.
- **Total engine protection** – outstanding engine cleanliness and exhaust system durability.
- **Fuel economy** – optimized HTHS range for superior fuel economy and emission reduction.

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## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	SAE 0W-20 C5
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.845
Cold crank (CCS) cP @ -30°C	ASTM D5293	3200
Viscosity @ 40°C cSt	ASTM D445	41.6
Viscosity @ 100°C cSt	ASTM D445	8.3
Viscosity Index	ASTM D2270	180
Pour Point, °C	ASTM D97	-51
Flash Point, °C	ASTM D92	225
TBN, mgKOH/g	ASTM D2896	7.8
Sulfated Ash, wt. %	ASTM D874	0.78

All stated physical properties are typical of standard production and may vary.

## PRODUCT NUMBERS

0W-20 C5 FULL SYNTHETIC	Bottle: 1 L	KL-LD4040
	EZE-KEG: 52 L	KL-LD4084
	DRUM: 208 L	KL-LD4090

## HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS).

## BRAVING THE FORCE OF MOVEMENT

stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.