

KLONDIKE SAE 5W-30 Euro Mid SAPS Full Synthetic Engine Oil



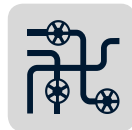
PRODUCT DESCRIPTION

KLONDIKE SAE 5W-30 Euro Mid SAPS Full Synthetic Engine Oil is a very high-performance engine oil designed for use in European gasoline and diesel fueled engines.

APPLICATIONS

KLONDIKE SAE 5W-30 Euro Mid SAPS Full Synthetic Engine Oil is designed and recommended for use in European gasoline and diesel engines specifying full synthetic engine oil with Mid SAPS (sulfated ash, phosphorus, sulfur) content.

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. This product meets the specification requirements of several European OEM's including GM Dexos2; and has a wide range of application.



SPECIFICATIONS AND APPROVALS

KLONDIKE SAE 5W-30 Euro Mid SAPS Full Synthetic Engine Oil is formulated and specifically recommended for the lubrication of modern European gasoline and diesel engines including TDI and common rail turbo diesel designs. Specifications where KLONDIKE SAE 5W-30 Euro Mid SAPS Full Synthetic Engine Oil is recommended for use in includes (but not limited to):

- ACEA: C3
- API: SN
- BMW: LONGLIFE-04
- MB: 229.52; MB: 229.51 (supersedes 229.31)
- GM dexos2™
- VW: 505.00; VW: 505.01 (supersedes VW 502.00)

FEATURES AND BENEFITS

KLONDIKE SAE 5W-30 Euro Mid SAPS Full Synthetic Engine Oil is formulated using a careful selection of high-performance 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 European formulated fluid is a high tech, modern, Mid SAPS product meeting the requirements of Euro standards and many current specifications from European engine manufacturers. This includes reliable, long term protection of diesel particulate filters and other exhaust after treatment devices in vehicles specifying Mid SAPS oil technology.

KLONDIKE SAE 5W-30 Euro Mid SAPS 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** – high efficiency for superior fuel economy and emission reduction.



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TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	SAE 5W-30 MID SAPS
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.851
Cold crank (CCS) cP @ -30°C	ASTM D5293	6100
Viscosity @ 40°C cSt	ASTM D445	72.6
Viscosity @ 100°C cSt	ASTM D445	12.5
Viscosity Index	ASTM D2270	172
Pour Point, °C	ASTM D97	-42
Flash Point, °C	ASTM D92	232
TBN, mgKOH/g	ASTM D2896	7.4
Sulfated Ash, wt. %	ASTM D874	0.78

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

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). To obtain an MSDS on this or any other KLONDIKE product, please visit www.klondikelubricants.com or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

BRAVING THE FORCE OF MOVEMENT

KLONDIKE 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 KLONDIKE 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 KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

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