

KLONDIKE Synthetic Blend High Mileage Engine Oils: SAE 5W-20, 5W-30 API SP/GF-6



PRODUCT DESCRIPTION

KLONDIKE Synthetic Blend High Mileage Engine Oils are designed for use in passenger cars and light trucks that have exceeded 120,000 kms. These API certified formulations meet and exceed the latest automotive manufacturers' warranty requirements.

APPLICATIONS

KLONDIKE Synthetic Blend High Mileage Engine Oils are designed to help extend engine life and provide enhanced protection and performance in engines with 120,000 kms or greater. Recommended for all-season use in engines operating on gasoline, high-ethanol gasoline (E-85), propane (LPG), or compressed natural gas (CNG) wherever API SP/ILSAC GF-6 certified oils, or previous generation API categories are specified.

KLONDIKE Synthetic Blend High Mileage Engine Oils meet or exceed new car warranty requirements for North American, Asian, and European vehicles where API SP/ILSAC GF-6 is referenced.

Check your owner's manual for specified or recommended fluid viscosity.



SPECIFICATIONS AND APPROVALS

KLONDIKE Synthetic Blend High Mileage Engine Oils meet and exceed the following service categories and specifications:

SAE 5W-20

- API SP, SN PLUS, SN, SM, SL, SJ and previous
- ILSAC GF-6A, GF-5, GF-4
- Chrysler MS-10797, MS-6395
- Ford M2C945-A, M2C945-B1, M2C930-A, M2C153H, M2C960-A1
- GM 6094M

SAE 5W-30

- API SP, SN PLUS, SN, SM, SL, SJ and previous M2C961-A1
- GM 6094M

FEATURES AND BENEFITS

KLONDIKE Synthetic Blend High Mileage Engine Oils are engineered to optimize performance in engines with 120,000 kms or greater. These premium engine oils contain only the highest quality, synthetic and conventional base oils and a technologically advanced additive system, which includes detergents, dispersants, viscosity improver, anti-wear, and anti-friction agents, as well as oxidation and corrosion inhibitors.

KLONDIKE Synthetic Blend High Mileage Engine Oils deliver offer unique characteristics compared with "conventional" engine oils. Advanced, optimized chemistry helps to reduce seal leakage, features superior oxidation stability, and provides extra protection against sludge and deposit buildup, caused by extended high temperature operation.

These oils deliver exceptional resistance to shear induced viscosity breakdown, have outstanding low temperature fluidity, and resist engine component wear and deposit formation under the most severe driving conditions.

KLONDIKE Synthetic Blend High Mileage Engine Oils provide value through the following benefits:

- **Extended engine life** - reduced friction for excellent protection against engine wear.
- **High viscosity index** – highly resistant to viscosity and thermal breakdown from extended high temperature operation.
- **Emission compliant** – fights volatility burn-off to minimize engine deposits and exhaust emissions.
- **Wide application** – modern additive technology protects new engines as well as older, high mileage engines.



KLONDIKE API SP/GF-6A Synthetic Blend High Mileage Engine Oils

TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	KLONDIKE	
		5W-20 SYN BLEND	5W-30 SYN BLEND
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.858	0.86
Viscosity @ 40°C cSt	ASTM D445	50.1	61.75
Viscosity @ 100°C cSt	ASTM D445	8.62	10.5
Viscosity Index	ASTM D2270	150	160
Pour Point °C (°F)	ASTM D5950	-45°C (-49°F)	-45°C (-49°F)
Color	ASTM D 1500	3.0	3.0
Cold Cranking Simulator at (°C), cP	ASTM D5293	5200 (-30)	5750 (-30)
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	2.65	3.15
Noack Volatility, % loss (max)	ASTM D6375	14	12
Calcium, wt. %	ASTM D5185	0.1	0.1
Zinc, wt. %	ASTM D5185	0.085	0.085
Phosphorus, wt. %	ASTM D5185	0.077	0.077
Sulfur, wt. %	ASTM D4951	0.3	0.3
Magnesium, wt. %	ASTM D5185	0.059	0.059
Boron, wt. %	ASTM D5185	0.02	0.02
Sulfated Ash, wt. %	ASTM D874	0.92	0.92
Nitrogen, wt. %	ASTM D4629	0.087	0.087
Pumping Viscosity, cP @ (°C)	ASTM D4684	14,500 (-35)	16,500 (-35)
Shear Stability	ASTM D6278	7.55	8.6
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	20/0	20/0
Gravity, °API	ASTM D287	33.5	33.4
TBN, mgKOH/g	ASTM D 2896	7.0	7.0

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



KLONDIKE API SP/GF-6A Synthetic Blend High Mileage Engine Oils

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.

PRODUCT NUMBERS

5W-20 API SP/GF-6 SYNTHETIC BLEND HIGH MILEAGE	Jug: 4.73 L / 1.25 GAL	KL-LD1160
	Drum: 208 L / 55 GAL	KL-LD1190
5W-30 API SP/GF-6 SYNTHETIC BLEND HIGH MILEAGE	Jug: 4.73 L / 1.25 GAL	KL-LD1360
	Drum: 208 L / 55 GAL	KL-LD1390

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.

KLONDIKE Lubricants Corporation

Toll-free 1-877-293-4691

info@klondikelubricants.com
www.klondikelubricants.com

