

# KLONDIKE API SP/GF-6A Full Synthetic Multi-Grade Engine Oils: SAE 5W-20



## PRODUCT DESCRIPTION

KLONDIKE Full Synthetic Multi-Grade Engine Oils are state-of-the-art, advanced technology, 100% synthetic engine oils which provide the highest level of engine protection available, even under the most severe operating conditions. These API SP GF-6 certified formulations meet and exceed the latest automotive manufacturers' warranty requirements.

## APPLICATIONS

KLONDIKE Full Synthetic Multi-Grade Engine Oils are recommended for passenger cars, light trucks, and other four-stroke gasoline powered equipment wherever API SP / ILSAC GF-6 certified oils are required. For all-season use in engines operating on gasoline, high-ethanol gasoline (E-85), propane, or compressed natural gas (CNG).

Meet or exceed new car warranty requirements for North American, Asian, and European vehicles where API licensed engine oils are referenced.

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



## SPECIFICATIONS AND APPROVALS

KLONDIKE Full Synthetic Engine Oils meet and exceed the requirements of the following service categories:

<b>SAE 5W-20 Full Synthetic</b>
API SP-RC, SN Plus, SN, SM, SL, previous
ILSAC GF-6A, GF-5, GF-4
Chrysler MS-6395, MS-10797
Ford WSS M2C947-A, M2C947-B1, M2C962-A1
GM 6094M

## FEATURES AND BENEFITS

KLONDIKE Full Synthetic Multi-Grade Engine Oils are highly advanced, 100% synthetic motor oils engineered to provide exceptional resistance to breakdown even under the most severe operating conditions. These premium engine oils contain only the highest quality, ultra-pure synthetic 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 Full Synthetic Multi-Grade Engine Oils deliver maximum protection and performance characteristics over the full service interval. These premium oils deliver exceptional resistance to thermal viscosity breakdown, outstanding low temperature fluidity, and resist engine component wear and deposit formation under the most severe driving conditions. API SP GF-6 technology ensures maximum resistance to low speed pre-ignition (LSPI) events for long service life in modern direct injected high-output engines.

KLONDIKE Full Synthetic Multi-Grade Engine Oils provide value through the following benefits:

- **Extended engine life** – formulated with proprietary additive technology for extended wear performance. Even in the most severe tests KLONDIKE exceeds industry standards wear tests by up to 65%.
- **Clean engines** – keeps pistons cleaner minimizing oil consumption and maintaining power and compression.
- **Full synthetic** – superior low and high temperature performance even in extended high stress service conditions.
- **Efficient** – low co-efficient of friction maximizes fuel economy – certified resource conserving.



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### TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	KLONDIKE
		5W-20 FULL SYN
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8522
Viscosity @ 40°C cSt	ASTM D445	49.5
Viscosity @ 100°C cSt	ASTM D445	8.9
Viscosity Index	ASTM D2270	161
Pour Point °C (°F)	ASTM D5950	-45°C (-49°F)
Color	ASTM D 1500	2.5
Cold Cranking Simulator at (°C), cP	ASTM D5293	4100 (-30)
High Temperature / High Shear Vis at 100°C, cP	ASTM D 6616	6.1
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	2.6
Noack Volatility, % loss	ASTM D 6375	11.5
Calcium, wt. %	ASTM D 5185	0.132
Zinc, wt. %	ASTM D 5185	0.085
Phosphorus, wt. %	ASTM D 5185	0.077
Sulfur, wt. %	ASTM D 4951	0.3
Boron, wt. %	ASTM D 5185	0.018
Sulfated Ash, wt. %	ASTM D 874	0.92
Nitrogen, wt. %	ASTM D 4629	0.086
Pumping Viscosity at (°C), cP	ASTM D4684	12,500 (-35)
Shear Stability	ASTM D 6278	7.8
Gravity, °API	ASTM D287	34.54
TBN, mgKOH/g	ASTM D 2896	7.0

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



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### 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](http://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 FULL SYNTHETIC	Bottle: 946 mL	KL-LD3240
	Jug: 4.73 L / 1.25 GAL	KL-LD3260
	EZE-BOX: 22 L / 5.8 GAL	KL-LD3282
	EZE-KEG: 52 L / 13.74 GAL	KL-LD3284
	Drum: 208 L / 55 GAL	KL-LD3290
	Tote: 1040 L / 275 GAL	KL-LD3295
	Bulk	KL-LD3299

### 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

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