

# KLONDIKE SN PLUS/GF-5 dexos1® Full Synthetic Multi-Grade Engine Oils: SAE 0W-20, 5W-20, 5W-30



## 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 SN PLUS certified formulations meet and exceed the latest automotive manufacturers' warranty requirements including dexos1® Gen2.

## APPLICATIONS

KLONDIKE Full Synthetic Multi-Grade Engine Oils are recommended for passenger cars, light trucks, and other four-stroke gasoline powered equipment wherever API SN PLUS / ILSAC GF-5 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 dexos1® 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:

- API SN, SM, SL, and previous
- ILSAC Resource Conserving, GF-5, GF-4
- Meets both domestic and foreign car manufacturers' requirements

Meets the following specifications:

- GM dexos1®Gen2
- GM - 4718M (all SAE grades)
- GM - 6094M (all SAE grades)
- Ford - M2C945-A, M2C930-A, M2C153 (SAE 5W-20)
- Ford - M2C946-A, M2C929-A (SAE 5W-30)
- Chrysler - MS-6395 (all SAE grades)
- Chrysler - MS-10797 (SAE 5W-20)
- Toyota - SAE 0W-20 (Standard and Extended Service Interval where specified by the OEM)

## 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. SN PLUS 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 by 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.



# KLONDIKE API SN PLUS/GF-5 dexos1® Full Synthetic Engine Oils

## SUITABLE APPLICATIONS

API	
SN, SM, SL, SJ	✓
SG, SF	✓
SB	✓
CF/CF-2	✓

ILSAC	
GF-5, GF-4, GF-3, GF-2	✓

ACEA	
A3/B4, A3/B3	✓
A5/B5, A1/B1	✓
C3, C2, C1	✓

Ford	
M2C 946 A	5W-30
M2C 929 A (M2C 205A)	5W-30
M2C 945A	5W-20
M2C 930A (M2C 153H)	5W-20

DaimlerChrysler	
MS 6395K	✓

Mercedes Benz	
MB 229.1	✓
MB 229.3	5W-30
MB 229.31	5W-30
MB 229.5	5W-30
MB 229.51	5W-30

General Motors:	
GM dexos1®	✓
GM 4718M	✓
GM 6094M	✓

Volkswagen:	
VW 50200	✓
VW 50300	✓
VW 50400	5W-30
VW 50500	✓
VW 50501	✓
VW 50600	✓
VW 50700	5W-30

BMW	
LL-O/M54	✓
LL-04	✓

HONDA/ACURA	
HTO-06	5W-30

Other	
CID AA-52039	✓
Mil-L-2104-B	✓



# KLONDIKE API SN PLUS/GF-5 dexos1<sup>®</sup> Full Synthetic Engine Oils

## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	KLONDIKE		
		0W-20 FULL SYN DEXOS1 <sup>®</sup> GEN2	5W-20 FULL SYN	5W-30 FULL SYN DEXOS1 <sup>®</sup> GEN2
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.846	0.8522	0.8542
Viscosity @ 40°C cSt	ASTM D445	44.6	49.5	61.8
Viscosity @ 100°C cSt	ASTM D445	8.47	8.9	10.93
Viscosity Index	ASTM D2270	170	161	170
Pour Point °C (°F)	ASTM D5950	-48°C (-54°F)	-45°C (-49°F)	-45°C (-49°F)
Color	ASTM D 1500	2.5	2.5	2.5
Cold Cranking Simulator at (°C), cP	ASTM D5293	5400 (-35)	4100 (-30)	4500 (-30)
High Temperature / High Shear Vis at 100°C, cP	ASTM D 6616	5.7	6.1	6.9
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	2.7	2.6	3.2
Noack Volatility, % loss	ASTM D 6375	13	11.5	12
Calcium, wt. %	ASTM D 5185	0.135	0.132	0.135
Zinc, wt. %	ASTM D 5185	0.085	0.085	0.085
Phosphorus, wt. %	ASTM D 5185	0.076	0.077	0.076
Sulfur, wt. %	ASTM D 4951	0.3	0.3	0.3
Boron, wt. %	ASTM D 5185	0.023	0.018	0.023
Sulfated Ash, wt. %	ASTM D 874	0.9	0.92	0.9
Nitrogen, wt. %	ASTM D 4629	0.104	0.086	0.104
Pumping Viscosity at (°C), cP	ASTM D4684	21,000 (-40)	12,500 (-35)	15,000 (-35)
Shear Stability	ASTM D 6278	7.5	7.8	9.4
Gravity, °API	ASTM D287	35.5	34.54	34.9
TBN, mgKOH/g	ASTM D 2896	7.9	7.0	7.9

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.

### 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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