

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil



PRODUCT DESCRIPTION

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil is a highly advanced, heavy duty, maximum performance engine oil recommended for modern naturally aspirated and turbocharged four-stroke diesel engines requiring oils meeting API CJ-4 and operating in extreme or challenging climatic conditions.

APPLICATIONS

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil is a premium, mixed fleet motor oil recommended for use in naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CJ-4 service category and SAE 15W-40 viscosity grade are recommended. It is fully compatible with previous API service categories, allowing its use in old and new engines operating in a wide range of service applications and climatic conditions.

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil also meets the requirements of Allison® C-4 for use in transmissions requiring a fluid of this type.

Typical applications for KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil include (but are not limited to):

- Current on-highway low emission heavy duty engine designs as well as older engines operating on ultra-low sulfur diesel fuel (ULSD).
- Current off-highway heavy duty engines in stationary or mobile equipment including those adapted for future emissions standards in construction, agriculture, marine, and mining applications.



FEATURES AND BENEFITS

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Engine Oil is a premium heavy duty engine oil engineered to deliver outstanding wear protection and fuel economy in modern diesel engines. Formulated premium, full synthetic base oils and carefully balanced additive technology, this advanced engine oil delivers outstanding performance in service applications operating under high-load, high-stress conditions and in extreme climates. Full synthetic base oils minimize the coefficient of friction between moving parts inside an engine. This promotes energy conservation and potential fuel economy savings through reduced viscous drag, easier engine starts, and reduced need for idling.

Field proven additive technology delivers outstanding oxidation control, engine cleanliness, TBN and high viscosity retention for maximum service life. Metal wear protection exceeds API CJ-4 standards and tough OEM specifications. Formulated to exceed the requirements of current emission control systems such as Exhaust Gas Recirculation (EGR), Diesel Particulate Filter (DPF), or Selective Catalytic Reduction (SCR).

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil is formulated with KLONDIKE's advanced Arctic Performance Technology ensuring maximum possible engine reliability and performance in extreme low temperature applications. Ultra-low pour points and outstanding fluidity promote easy equipment startup and minimized wear in these extreme conditions.

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil delivers value through the following benefits:

- **Full synthetic base oil** – excellent low and high temperature performance characteristics.
- **Engine efficiency** – advanced additive technology keeps internal engine components clean, reduces oil consumption for long service life.
- **Outstanding anti-wear** – wear protection exceeds API CJ-4 and tough OEM specifications for outstanding engine durability.
- **Emission compliant** – compliant with all current emission control equipment and promotes extended DPF life
- **Extended service life** – high TBN and viscosity retention supports extended service life.



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SPECIFICATIONS AND APPROVALS

KLONDIKE SAE 15W-40 CJ-4 Full Synthetic Heavy Duty Engine Oil meets the requirements of the following specifications and is recommended for use in:

- **API Service Categories** – CJ-4, CI-4 PLUS, CI-4, SN
- **ACEA** – European Service Categories E9, E7
- **Caterpillar®** – ECF-3, ECF-2
- **Cummins®** – CES 20081, 20078, 20077
- **Daimler** – MB 228.31, 228.3
- **Detroit Diesel®** – Power Guard 93K218 and previous
- **Deutz** – DQC 111-05
- **Global** – DHD-1
- **JASO** – DH-2
- **Mack®** – EO-O Premium Plus and previous
- **MAN** – M 3275, 3575
- **MTU** – Type 2.1
- **Renault®** – VI RLD-3
- **Volvo®** – VDS-4, VDS-3
- **Allison®** – C-4

Other applicable uses may exist. Please contact KLONDIKE for more information.

TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	15W-40 CJ-4 FULL SYN
Specific @ 15.6°C	ASTM D4052	0.863
API Gravity	ASTM D287	32.5
Viscosity @ 40°C, cSt	ASTM D445	95.0
Viscosity @ 100°C, cSt	ASTM D445	15.0
Viscosity Index	ASTM D2270	165
CCS @ -20°C, cP	ASTM D5293	6500
Pour Point, °C	ASTM D5950	-42
Flash Point, COC, °C	ASTM D92	230
TBN	ASTM D2896	10.0
Sulfated Ash, wt %	ASTM D874	0.99
Zinc, wt %	ASTM D5185	0.12
Calcium wt %	ASTM D5185	0.24

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.

KLONDIKE Lubricants Corporation

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