

# KLONDIKE TC-W3 2-Cycle Engine Oil



## PRODUCT DESCRIPTION

KLONDIKE TC-W3 2-Cycle Engine Oil is a premium 2-cycle engine oil formulated for use in pre-mix and mix-on-demand VRO oil delivery system applications. It delivers excellent service up to a 100:1 fuel-to-oil ratio in a wide variety of operating conditions and climates.

## APPLICATIONS

KLONDIKE TC-W3 2-Cycle Engine Oil is a truly universal formulation and is designed for use in all types of 2-cycle engine applications. This oil may be used in either pre-mix or mix-on-demand VRO oil injection systems as well as DFI type engines and delivers excellent service up to a 100:1 fuel-to-oil ratio.

KLONDIKE TC-W3 2-Cycle Engine Oil is recommended for all water cooled 2-cycle engines, including the rigorous performance demands of Mercury, OMC Johnson/Evinrude, Yamaha, Honda, Kawasaki, and other engines requiring NMMA TC-W3, TC-W2, or TC-W type oils. It is also recommended for use in other air-cooled and water-cooled applications, such as snowmobiles, personal water craft (PWC), jet skis, lawn mowers, snow blowers, all-terrain vehicles, chain saws, outdoor power equipment, and other applications requiring oils meeting API TC service category.

Always consult the owner's manual for the recommended engine oil type and for specific fuel-to-oil mix ratio.



## SPECIFICATIONS AND APPROVALS

KLONDIKE TC-W3 2-Cycle Engine Oil meets the following specifications:

- NMMA TC-W3
- API TC
- JASO FB

## FEATURES AND BENEFITS

KLONDIKE TC-W3 2-Cycle Engine Oil provides the highest level of protection for high performance, high horsepower 2-cycle engines. This oil is certified NMMA (BIA) and it is formulated to combat wear, scuffing, and deposits. Highly resistant to high-temperature oxidation, this oil protects against corrosion, ensures outstanding engine cleanliness, and provides outstanding lubricity for long engine life. Advanced ash-less formulation prevents carbon deposit build-up on engine parts and protects against ring sticking. High film strength for improved lubricity results in increased engine efficiency for reduced bearing wear, reduced emissions, and less smoke.

KLONDIKE TC-W3 2-cycle Engine Oil delivers value through the following benefits:

- **Long equipment life** – anti-wear additives minimize wear by protecting surfaces even when heavy loads and high engine RPM can cause lubricant film breakdown.
- **Minimized downtime** – rust and oxidation inhibitor system prevents the formation of rust, varnish, and sludge which can damage metal surfaces and oil seals.
- **Ashless formulation** – prevents carbon deposit build-up on engine parts, and protects against ring sticking to maximize lubricity, efficiency, reliability, and engine power output.



National Marine  
Manufacturers Association



# KLONDIKE TC-W3 2-Cycle Engine Oil

## TYPICAL TECHNICAL PROPERTIES

| PROPERTY                            | TEST METHOD | TC-W3<br>2-Cycle |
|-------------------------------------|-------------|------------------|
| Gravity; °API                       | ASTM D287   | 32.31            |
| Specific Gravity @ 60°F<br>(15.6°C) | ASTM D4052  | 0.8638           |
| Viscosity @ 40°C (cSt)              | ASTM D445   | 30.56            |
| Viscosity @ 100°C (cSt)             | ASTM D445   | 6.165            |
| Viscosity Index                     | ASTM D2270  | 156              |
| Pour Point °C                       | ASTM D5950  | -30              |
| Colour                              | ASTM D1500  | Blue             |
| Sulfur, wt %                        | ASTM D4951  | 0.07             |
| Sulfated Ash, wt %                  | ASTM D874   | <0.001           |
| Nitrogen, wt %                      | ASTM D4629  | 0.47             |
| Total Metals (Ca, Mg,<br>Zn), wt. % | N/A         | 0.000            |
| Total Acid Number,<br>mgKOH/g       | ASTM D664   | 1.6              |
| TBN, mgKOH/g                        | ASTM D2896  | 10.0             |

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](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

Toll-free 1-877-293-4691

[info@klondikelubricants.com](mailto:info@klondikelubricants.com)  
[www.klondikelubricants.com](http://www.klondikelubricants.com)

