

# Super Stream



**ULTRA**  
LUBRICANTS

WORLD CLASS LUBRICANTS  
FOR TROPICAL CONDITIONS

## GENERAL

**Ultra Super Stream Outboard Motor Oil TC-W3** is a premium quality hydro-treated base oil lubricant, designed to meet the critical requirements of the latest high performance, water-cooled two stroke engines.

It meets and exceeds the latest National Marine Manufacturers Association (NMMA) standards for two stroke engines requiring **TC-W3** oils, and has been awarded the **NMMA Certification No. RL - 29123F**.

**Ultra Super Stream Outboard Motor Oil TC-W3** is formulated using a high quality ashless additive package which provides enhanced lubrication and protection for the latest high performance outboard motors even at the leaner oil to fuel ratios currently recommended by outboard engine manufacturers, and may be used with both leaded and unleaded fuel. It is dyed blue for ease of identification.

## PERFORMANCE SPECIFICATIONS

**Ultra Super Stream Outboard Motor Oil TC-W3** meets and exceeds the test requirements of:

- **NMMA TC-W3** specification for water-cooled two stroke outboard engines.
- **API Service Category TC** for air-cooled two stroke engines.

## KEY BENEFITS

Use of **Ultra Super Stream Outboard Motor Oil TC-W3** affords the following benefits:

- Superior anti - scuffing protection.
- Improved protection against ring sticking.
- Reduced spark plug fouling resulting in satisfactory operation under all conditions.
- Reduced engine deposits and associated effects due to pre-ignition.
- Protection against rust and corrosion resulting in extended engine life.
- Reduced exhaust system deposits.
- No gel formation when mixed with fuel.
- Low aquatic toxicity effects.

## MAIN APPLICATIONS

- Water-cooled outboard two stroke engines requiring **NMMA TC-W3, TC-WII** and **TC-W** type oils.
- Air-cooled two-stroke engines requiring oil satisfying **API TC** specifications e.g. power saws, motorcycles, etc.

## TYPICAL PROPERTIES

|                            | TEST METHOD |        |
|----------------------------|-------------|--------|
| Appearance                 |             | Blue   |
| Kin. Viscosity @ 40°C-cSt  | ASTM D445   | 48.00  |
| Kin. Viscosity @ 100°C-cSt | ASTM D445   | 8.13   |
| Viscosity Index            | ASTM D2270  | 142    |
| Specific Gravity @ 60/60°F | ASTM D1298  | 0.8698 |
| Pour Point °C              | ASTM D97    | -33    |
| Total Base Number          | AASTM D2896 | 5.46   |
| Closed Flash Point °C      | ASTM D93    | 79     |
| API Gravity                | ASTM D1298  | 30.2   |

## APPLICATION GUIDE TABLE

The table below gives volume of oil in ounces or milliliters required for mixing with various quantities of gasoline at the engine manufacturer specified fuel/oil ratios.

| Fuel (USG)     | 1   |     | 2   |     | 3    |     | 4    |     | 5   |      |
|----------------|-----|-----|-----|-----|------|-----|------|-----|-----|------|
| Fuel (liter)   | 3.8 |     | 7.6 |     | 11.4 |     | 15.2 |     | 19  |      |
| Fuel/Oil Ratio | oz. | ml. | oz. | ml. | oz.  | ml. | oz.  | ml. | oz. | ml.  |
| <b>16:1</b>    | 8   | 240 | 16  | 470 | 24   | 710 | 32   | 950 | 40  | 1180 |
| <b>20:1</b>    | 6   | 190 | 13  | 380 | 19   | 570 | 26   | 760 | 32  | 950  |
| <b>25:1</b>    | 5   | 150 | 10  | 300 | 15   | 460 | 20   | 610 | 26  | 760  |
| <b>50:1</b>    | 3   | 80  | 5   | 150 | 8    | 230 | 10   | 300 | 13  | 380  |
| <b>100:1</b>   | 1   | 40  | 3   | 80  | 4    | 110 | 5    | 150 | 6   | 190  |

## HEALTH AND SAFETY

**Ultra Super Stream** Outboard Motor Oil TC-W3 is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed.