



**Shield X**  
Full Synthetic Two Cycle Engine Oil

**Product Description**

**Shield X Synthetic Two-Cycle Engine Oil** is a premium, synthetic 2-stroke engine oil designed for use in water or air-cooled two-cycle engines. This product is formulated with synthetic base oils and premium performance additive package which contains anti-oxidants, defoamers, anti-wear compounds, dispersants, and friction modifiers. This synthetic product provides enhanced engine cleanliness, prevents ring sticking, reduces spark plug fouling and eliminates engine smoking. **Shield X Synthetic Two-Cycle Engine Oil** is suitable for use in wide array of applications including outboard engines, motorcycles, lawn mowers, scooters, golf carts, chain saws, and other two-stroke powered equipment.

**Typical Properties\***

<u>Parameter</u>	<u>Result</u>
<u>Appearance, Visual</u>	<u>Blue, Dyed, Liquid</u>
<u>Viscosity @ 40°C, cSt, ASTM D44538.0</u>	<u>Viscosity @ 100°C, cSt,</u>
<u>ASTM D445</u>	<u>7.4</u>
<u>Viscosity Index, ASTM D2270</u>	<u>165</u>
<u>Flash Point, °C, ASTM D92</u>	<u>150</u>
<u>Pour Point, °C, ASTM D97</u>	<u>-45</u>
<u>Total Base Number, mg KOH/g, ASTM D2896</u>	<u>5</u>
<u>Sulfated Ash, wt. % ASTM D874</u>	<u>&lt;0.1</u>

Fuel Mixing Ratio, Ounces of Oil to Gallons of Gasoline

Gas Vol	1 Gal	2 Gal	3 Gal	4 Gal	5 Gal	6 Gal
Gas : Oil	Oz	Oz	Oz	Oz	Oz	Oz
16 : 1	8	16	24	32	40	48
20 : 1	6	13	19	26	32	38
24 : 1	5	11	16	21	27	32
25 : 1	5	10	15	20	26	31
40 : 1	3	6	10	13	16	19
50 : 1	3	5	8	11	13	16

\*The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges