CITGO SUPERGARD® SEA AND SNOW™ 2-CYCLE ENGINE OIL

Date 01/10

DESCRIPTION: CITGO SUPERGARD Sea and Snow 2-Cycle Engine Oil is a synthetic blend, low smoke oil designed for use in high performance air-cooled or liquid two-stroke engines of Personal Water Craft (PWC) and Snowmobiles.

QUALITIES: SUPERGARD Sea and Snow 2-Cycle Engine Oil is engineered for lower smoke and advanced protection for air-cooled 2-cycle engines. The synthetic blend formula meets or exceeds the rigorous requirements of the API TC, JASO FD and ISO EGD classifications for 2-cycle air-cooled engine oils. This advanced oil helps protect today's high performance air-cooled 2-cycle engines against exhaust port blocking, combustion chamber and piston deposits, ring sticking and scuffing, and wear.

SUPERGARD Sea and Snow is formulated with premium base oils and a new synthetic low ash additive package that provides excellent lubricity and detergency performance that surpasses standards for preventing piston and combustion chamber deposits. In addition, SUPERGARD Sea and Snow is a synthetic blend which reduces exhaust smoke and prevents piston seizure and cylinder scuffing. SUPERGARD Sea and Snow mixes readily with fuel for pre-mix type, even at low temperatures.

APPLICATIONS: CITGO SUPERGARD Sea and Snow 2-Cycle Engine Oil is recommended for use in air-cooled, 2-cycle applications where an API TC, JASO FD, and ISO EGD product is preferred. This oil supercedes previous JASO and ISO specifications. It can be used in either premix or oil injection systems up to 50:1 fuel ratios. It may also be used in certain motorcycle engines which are liquid cooled. Do not use in engines requiring an NMMA® TC-W3®, TC-WII®, or TC-W® product.

SUPERGARD Sea and Snow is formulated primarily for use in snowmobiles and personal watercraft. It can be used in motorcycles, generators, lawnmowers, and hand held power equipment such as leaf blowers, trimmers, and chainsaws. SUPERGARD Sea and Snow provides the necessary protection to keep your snowmobile or PWC running cleaner, longer, and with less smoke.

TYPICAL PROPERTIES:

CITGO SUPERGARD® SEA AND SNOW™ 2-CYCLE ENGINE OIL	
Material Code	621612001
Gravity, ASTM D 4052, °API	32.0
Density, lb/gal at 60°F	7.21
Flash Point, PMCC, ASTM D 93, °F (°C)	185 (85)
COC, ASTM D 92, °F (°C)	203 (95)
Viscosity, ASTM D 445, cSt at 40°C	55
cSt at 100°C	8.5
ASTM D 2161, SUS at 100°F	281
SUS at 210°F	54.8
Viscosity Index, ASTM D 2270	129
Pour Point, ASTM D 97, °F (°C)	-49 (-45)
Appearance, Color	Purple
Sulfated Ash, ASTM D 874, %	0.0
Total Base Number, ASTM D 2896, mg KOH/g	2.2