CITGO SUPERGARD® MARINE PLUS 2-CYCLE ENGINE OIL

Date 04/18

DESCRIPTION: CITGO SUPERGARD Marine Plus 2-Cycle Engine Oil is a licensed NMMA® TC-W3® oil that effectively combats wear, scuffing, deposit build-up, and enhances lubricity to provide longer engine life.

BENEFITS:

- Reduces carbon and deposit build-up on engine parts
- Helps prevent piston ring sticking
- High film strength for improved lubricity which provides:
  - Increased engine efficiency
  - Excellent scuffing protection of rings and cylinder and reduced bearing wear
  - Cleaner, better-running engines producing less smoke
- Guaranteed to protect OEM engine warranties

APPLICATIONS: CITGO SUPERGARD Marine Plus 2-Cycle Engine Oil is recommended for all water-cooled or liquid-cooled 2-cycle engines requiring an NMMA TC-W3, TC-WII® or TC-W® type oil. It may also be used in many air-cooled 2-cycle engine applications requiring API Service Category TC. Recommended for both direct injected and pre-mix systems.

CITGO SUPERGARD Marine Plus 2-Cycle Engine Oil will provide protection for gasoline fueled 2-cycle engines when used at the primary dilution recommended by the original equipment manufacturer.

Consult owners manual for Fluid Specification.

TYPICAL PROPERTIES:

CITGO SUPERGARD® MARINE PLUS 2-CYCLE ENGINE OIL	
Material Code	621602001
Gravity, ASTM D4052, °API	31.5
Density, lb/gal at 60°F	7.23
Flash Point, PMCC, ASTM D93, °F (°C)	178 (81)[1]
Flash Point, COC, ASTM D92, °F (°C)	197 (92)
Viscosity, ASTM D445, cSt at 40°C	32.0
cSt at 100°C	5.9
ASTM D2161, SUS at 100°F	163
SUS at 210°F	46
Viscosity Index, ASTM D2270	130
Pour Point, ASTM D97, °F (°C)	-38 (-39)
Appearance, Color	Blue/Green
Sulfated Ash, ASTM D874, %	<0.004
Total Base Number, ASTM D2896, mgKOH/g	8.6

NOTE

(1) Combustible liquid

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