

CITGO SUPERGARD® AIR-COOLED
2-CYCLE ENGINE OIL

Date 12/04

DESCRIPTION: CITGO SUPERGARD Air Cooled 2-Cycle Engine Oil is a premium performance synthetic blend lubricant designed for use in high performance air-cooled two-stroke engines.

QUALITIES: SUPERGARD Air Cooled 2-Cycle Engine Oil is engineered for lower smoke and advanced protection for air cooled 2-cycle engines. This synthetic blend formula meets or exceeds the rigorous requirements of the API TC, JASO FC and ISO EGD classifications for 2-cycle air-cooled engine oils and also exceeds the performance requirements for JASO FA, JASO FB, ISO-L-EGB, and ISO-L-EGC. This advanced oil helps to protect today's high RPM air cooled 2-cycle engines against exhaust port blocking, combustion chamber and piston deposits, ring sticking and scuffing, and wear. The JASO FC Certification number for this lubricant is 001 CGO 525.

SUPERGARD Air Cooled 2-Cycle Engine Oil is formulated with premium CITGO base oils and a new low ash additive package that provides excellent lubricity and detergency performance which surpasses the standard for preventing piston and combustion chamber deposits. In addition, SUPERGARD Air-Cooled 2-Cycle Engine Oil is a synthetic blend which reduces exhaust smoke and prevents piston seizure and cylinder scuffing. SUPERGARD Air Cooled 2-Cycle Engine Oil is prediluted to allow easy mixing with gasoline and smooth flowing in oil injection systems.

APPLICATIONS: CITGO SUPERGARD Air Cooled 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. It can be used in either premix or oil injection systems up to 50:1 fuel to oil ratios. It may also be used in certain motorcycle engines which are liquid cooled. Not recommended for engines requiring an NMMA TC-W3, TC-WII, or TC-W product.

SUPERGARD Air Cooled 2-Cycle Engine Oil can be used in motorcycles, generators, lawnmowers, and hand held power equipment such as leaf blowers, trimmers, and chainsaws operating in hot, dirty, dusty environments and high loads for extended periods. SUPERGARD Air Cooled 2-Cycle Engine Oil provides the necessary protection to keep your air-cooled 2-stroke cycle engine running cleaner, longer and with less smoke.

TYPICAL PROPERTIES:**CITGO SUPERGARD AIR-COOLED 2-CYCLE ENGINE OIL**

Material Code	621611001
Gravity, ASTM D 4052, °API	32.5
Density, lb/gal, at 60°F	7.19
Flash Point, PMCC, ASTM D 93, °F (°C)	158 (70)
Flash Point, COC, ASTM D 92, °F (°C)	194 (90)
Viscosity, ASTM D 445, cSt at 40°C	56
cSt at 100°C	8.5
ASTM D 2161, SUS at 100°F	288
SUS at 210°F	54.9
Viscosity Index, ASTM D 2270	126
Pour Point, ASTM D 97, °F (°C)	-44 (-42)
Appearance, Color	Purple
Sulfated Ash, ASTM D 874, %	0.10
Total Base Number, ASTM D 2896, mg KOH/g	1.1