



CLARION® GREEN GEAR LUBES

Date 06/14

DESCRIPTION: Clarion Green Gear Lubes are high-performance gear lubes, designed for use in the gears of equipment operating in environmentally sensitive areas.

QUALITIES: Clarion Green Gear Lubes are inherently biodegradable and will pass the U.S. Coast Guard static sheen test requirements. They are non-toxic to aquatic life, exceeding U.S. EPA LC₅₀ test requirements for mysid shrimp, rainbow trout and fathead minnow.

Clarion Green Gear Lubes have excellent thermal and oxidative stability, and are compatible with other premium mineral oil-based lubricants.

They are formulated with a state-of-the-art, ashless additive package that provides excellent anti-wear protection, ensures optimum rust and corrosion protection, hydrolytic stability and longer service life, and are easily recycled.

APPLICATIONS: Clarion Green Gear Lubes are recommended for enclosed or open helical, herringbone, straight, spiral bevel, spur gears and bearings operating in environmentally sensitive areas such as off-shore drilling and production platforms.

TYPICAL PROPERTIES:**CLARION® GREEN GEAR LUBES**

ISO VIS Grade	150	220	320	460
Material Code	633557009	633558009	633556009	633554009
Gravity, ASTM D 4052, °API	30.3	29.3	28.8	28.4
Flash Point, COC, ASTM D 92, °F	460	464	468	468
Viscosity, ASTM D 445, cSt at 40°C	150	220	315	460
Viscosity Index, ASTM D 2270	105	100	98	96
Pour Point, ASTM D 97, °F (°C)	19 (-7)	19 (-7)	19 (-7)	19 (-7)
Water Separation Time, ASTM D 1401 at 180°F	40-37-2(20)	40-38-2(10)	40-38-2(20)	40-37-3(10)
Four Ball EP Wear, mm				
ASTM D 4172-A (20kg)	0.32	0.34	0.34	0.34
ASTM D 4172-B (40kg)	0.40	0.44	0.44	0.44
FZG Scuffing Load Capacity, ASTM D 5182	>12	>12	>12	>12
ANSI/AGMA 9005-E02	4EP	5EP	6EP	7EP