



CLARION® Green Gear Lubes

OVERVIEW



- High-performance gear lubes, designed for use in the gears of equipment operating in environmentally sensitive areas.
- Refer to equipment owner’s manual for proper equipment lubrication.

FEATURES & BENEFITS

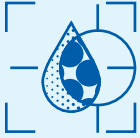


- Inherently biodegradable.
- Passes U.S. Coast Guard static sheen test requirements.
- Very low acute aquatic toxicity in U.S. EPA LC50 test requirements for mysid shrimp, rainbow trout, and fathead minnow.
- Excellent thermal and oxidative stability.
- Compatible with other premium mineral-oil-based lubricants.
- Formulated with a state-of-the-art, ashless additive technology.
- Excellent anti-wear protection.
- Optimum rust and corrosion protection.
- Excellent hydrolytic stability.
- Long service life.
- Easily recycled.

APPLICATIONS



- Recommended for enclosed helical, herringbone, straight, spiral bevel, and, spur gears, and bearings operating in environmentally sensitive areas such as off-shore drilling and production platforms.
- Consult owner’s manual for proper lubricant selection.

PROPERTIES**Typical Properties for CLARION Green Gear Lubes:**

ISO Grade	220	320	460
Material Code	633558009	633556009	633554009
Gravity, °API ASTM D4052	29.3	28.8	28.4
Flash Point, COC, °F ASTM D92	464	468	468
Pour Point, °C (°F) ASTM D97	-7 (19)	-7 (19)	-7 (19)
Viscosity ASTM D445			
cSt at 40°C	200	315	460
cSt at 100°C	18.8	24.3	30.6
Viscosity Index, ASTM D2270	100	98	96
Water Separation @ 180°F			
mL-mL-mL (min) ASTM D1401	40-38-2(10)	40-38-2(20)	40-37-3(10)
Four-Ball Wear, mm ASTM D4172			
mm @ 20kg	0.34	0.34	0.34
mm @ 40kg	0.44	0.44	0.44
FZG Scuffing Load Capacity			
ASTM D5182	>12	>12	>12
ANSI/AGMA 9005-E02	5EP	6EP	7EP

CLARION is a registered trademark of CITGO Petroleum Corporation. All other registered trademarks or trademarks are the property of their respective owners. Values shown are typical values only and do not constitute a specification. The information contained herein is subject to change without notice.