



CLARITY[®] SYNTHETIC EA GREASE

PRODUCT DESCRIPTION

Chevron's Clarity[®] Synthetic EA Grease is an anhydrous calcium-thickened lubricating grease based on biodegradable esters. It is compliant to 2013 VGP legislation and the Swedish Standard 155470. The grease contains antioxidants, corrosion inhibitors, and extreme pressure and anti-wear additives. The thickener, together with the biodegradable esters, makes the product suitable for lubrication of heavily loaded applications. The lubricating grease has excellent adhesion and water resistance.

APPLICATIONS

Clarity Synthetic EA Grease is suitable for on-deck applications including wire ropes, rudder posts, closed shaft with grease, valves, valve spindles, doors, various bearing applications on spindles, and lifeboat davit.

CUSTOMER BENEFITS

Clarity Synthetic EA Grease delivers value through:

- **Environmentally acceptable** — Meets the requirements of the EPA Vessel General Permit (VGP) for biodegradation, low toxicity and low bioaccumulation.
- **Water resistance** — Provides satisfactory lubrication in the presence of water and is not washed out of bearings.
- **Corrosion protection** — Rust-inhibited to protect steel and nonferrous-bearing surfaces against corrosion.
- **Multipurpose** — Satisfies all grease requirements of the majority of marine equipment.
- **Pumpability** — Can be used over a wide temperature range in centralized lubrication systems.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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TYPICAL TEST DATA

ISO Grade	Test Method	
<i>Product Number</i>		238009
<i>SDS Number</i>		39898
Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445 DIN 51562-1	500.0 53.0
Penetration at 25°C (77), mm/ 10 Worked (60 strokes)	ASTM D217	265-295
Dropping Point, °C (°F)	ASTM D2265 IP 396	> 140
Four-ball Extreme Pressure Weld Load, kg	ASTM D2596 DIN 51350:4	305
Water Resistance at 90°C(194°F), mass %	ASTM D4049 DIN 51807:1	0
Water Washout at 38°C (10°F), mass %	ASTM D1264 ISO 11009	<10%
Biodegradability, OECD 301 B,%		65
Temperature Range, °C (°F)		-40 to 100 (-40 to 212)
Thickener Type		Anhydrous Calcium
Base Fluid		Ester
Texture		Smooth Tacky
Color		Yellow

Minor variations in product typical test data are to be expected in normal manufacturing.

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