



marine lubricants

# Clarity<sup>®</sup> Synthetic EA Grease



## Description

Clarity<sup>®</sup> Synthetic EA Grease is an anhydrous calcium thickened lubricating grease based on biodegradable synthetic esters. The grease contains antioxidants, corrosion inhibitors and EP/AW additives.

The thickener, together with the biodegradable esters, makes the product suitable for the lubrication of bearings in wet and corrosive environments, even at low temperatures. The lubricating grease has excellent adhesion and water resistance.

## Typical Characteristics

<b>NLGI Grade</b>	<b>2</b>
<b>MPID</b>	<b>803296</b>
Colour	Yellow
Texture	Smooth
Thickener type	Anhydrous Calcium
Base oil type	Synthetic ester
Base oil viscosity at 40°C, mm <sup>2</sup> /s	500.0
Base oil viscosity at 100°C, mm <sup>2</sup> /s	53.0
Dropping point, °C	>140
Density at 15°C, kg/l	0.94

## Recommended Applications

Clarity Synthetic EA Grease is a modern and versatile, high performance EAL grease developed for a wide variety of applications where environmental sensitivity and biodegradability may benefit operations or actually be a requirement due to legislative demands.

Whilst primarily aimed at the marine market, Clarity Synthetic EA Grease can also be used in various markets, for example it can be used to lubricate the steering or chassis components of Forestry, Agriculture and Construction vehicles as well as saw chains within the Forestry segment, where a biodegradable grease is required.

For the Marine market Clarity Synthetic EA Grease can be recommended for a range of plain and rolling element bearings or slide ways on a variety of on-deck equipment.

It is also important to note that Clarity Synthetic EA Grease has good low temperature mobility, and is therefore suitable for use in most modern centralised lubrication systems.

The product is especially suited for applications where risks of contamination of the soil, waters or channels can occur.

*Note: Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided because it can result in an excessive amount of heat being produced. Periodic relubrication via grease gun or centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.*



## marine lubricants

Operating temperature: -40°C up to 100°C (Max. 100°C for a short period)

### Clarity® Synthetic EA Grease Is Approved For:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> <b>SS 155470-listing</b> Eco-label          | <input checked="" type="checkbox"/> <b>Dongtai Oceangoing Marine Fittings</b> Rudder carrier |
| <input checked="" type="checkbox"/> <b>Van der Velden</b> Rudder carrier        | <input checked="" type="checkbox"/> <b>Nakashima Propeller</b>                               |
| <input checked="" type="checkbox"/> <b>Nippon Pillar Packing</b> Rudder carrier | <input checked="" type="checkbox"/> <b>Masada</b> Crane                                      |
| <input checked="" type="checkbox"/> <b>Wärtsilä Japan</b> Rudder carrier        |  |

### Clarity® Synthetic EA Grease Meets The Requirements Of:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> <b>2013 VGP</b>              | <input checked="" type="checkbox"/> <b>DIN 51 502</b> KPE2G-40   |
| <input checked="" type="checkbox"/> <b>ISO 12924</b> L-XD(F)BIB2 | <input checked="" type="checkbox"/> <b>Becker Marine systems</b> |

### Clarity® Synthetic EA Grease Is Suitable For Use In:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> <b>Boom pins and pulleys on cranes</b> | <input checked="" type="checkbox"/> <b>Thruster and rudder bearings</b>   |
| <input checked="" type="checkbox"/> <b>Anchor winches</b>                  | <input checked="" type="checkbox"/> <b>Open gear or rack &amp; pinion systems where the conditions of operation do not require dedicated products containing solid lubricant technology</b> |
| <input checked="" type="checkbox"/> <b>Wire ropes</b>                      |   |
| <input checked="" type="checkbox"/> <b>Bearings of deck equipment</b>      |   |
| <input checked="" type="checkbox"/> <b>Cargo door hinges</b>               |   |

### Performance Benefits

#### 1. Readily biodegradable

Meets the requirements of the EPA Vessel General Permit (VGP 2013) for biodegradation, low toxicity and low bioaccumulation.

#### 2. Excellent water resistance

High dropping point minimizes leakage from bearings at elevated temperatures and oxidation resistance ensures long grease life. Natural water resistance of the thickener, combined with the additional tackiness additive, prevents water washout.

#### 3. Good corrosion resistance

Provides long-life protection against most forms of corrosion on the majority of metals.

#### 4. Multipurpose

Satisfies all grease requirements of the majority of marine equipment.



**Disclaimer.** Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS. (September 2020)