

SEA-MATE™ HT SYN 460 2

Calcium sulfonate complex synthetic high temperature grease



DESCRIPTION

SEA-MATE HT SYN 460 2 is a technologically advanced synthetic grease designed for delivering reliable operation in high temperature marine applications, such as fuel pumps and low to medium- speed bearings with frequent heavy-duty operation.

SEA-MATE HT SYN 460 2 is formulated using an advanced calcium sulfonate complex thickener and a high viscosity synthetic polyalphaolefin base oil (PAO). This thickener type has several inherent benefits, including providing some of the best water resistance and corrosion protection available on the market. The synthetic base oil gives exceptional resistance toward oxidation and thermal degradation, allowing the grease to maintain its lubricating properties and consistency in high temperature environments. Due to the properties of this base oil, the grease also has good operability at low temperatures, and can be a good choice where cold climates would cause issues for regular greases.

KEY FEATURES AND BENEFITS

Thermal and Mechanical Stability

- Superior mechanical stability in the presence of heat and water allows the grease to stay in place and maintain its lubricating properties, giving it a longer lifetime
- High dropping point (>300°C) – PAO base oil allows for use in extreme high temperature applications.
- Synthetic base oil gives exceptional oxidation resistance

Corrosion Resistance

- Calcium sulfonate thickener type is well known to provide exceptional corrosion resistance
- Easily outperforms competitors' products

Load Carrying and Wear Protection

- Excellent EP and anti-wear properties to provide protection in a wide range of applications

Water Resistance

- Formulated to provide excellent resistance to water in order to provide maximum protection from the environment

PRODUCT COLOR GREEN

The SEA-MATE range of greases has been specially designed

by leaders in the shipping industry to offer simplicity on board and peace of mind for the vessel operator. They have been formulated with marine applications in mind and made to a high-performance level to ensure safe operation in various environments.

Each grease in the SEA-MATE range is color coded according to its application to minimize the risk of wrong greasing, and to simplify inventory management on board. Each color coded grease can be matched to color coded grease fitting caps and color coded grease guns.

To make certain the right grease is used and to color code your equipment, use SEA-MATE EP HT SYN 460 2 with green grease cap fittings or green labels.

TYPICAL PROPERTIES*

PROPERTIES	TEST METHOD	SEA-MATE HT SYN 460 2
NLGI Grade	ASTM D 217	2
Color	Visual	Green
Texture	Visual	Smooth
Base Oil Viscosity, cSt @ 40°C	ASTM D 445	400
Dropping Point, °C	ASTM D 2265	316
Consistency, 60 strokes	ASTM D 217	300
Mechanical Stability, 100,000 strokes, % change	ASTM D 217	5.0
Roll Stability, % change	ASTM D 1831	2.6
Timken OK Load, kg	ASTM D 2509	27.2
4-Ball EP	ASTM D 2596; LWI, kgf	50
4-Ball EP	ASTM D 2596; Weld Point, kg	400
4-Ball Wear, mm	ASTM D 2266	0.42
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B 117	>1000
Water Washout at 80°C, % removed	ASTM D 1264	3.5
Low Temperature Torque, -22°C, g-cm		
• Start	ASTM D 1478	2124
• 10 minutes		1210
• 60 minutes		442
Mobility @ -18°C, g/minute	US Steel Method	5.7

*For more information on product performance data contact your Drew Marine Representative.



Contact your Drew Marine representative for more information

HANDLING INFORMATION

SEA-MATE HT SYN 460 2 grease may be handled using conventional grease handling and dispensing methods.

SHIPPING INFORMATION

Petroleum Lubricating Grease
Not classified as hazardous for transport.

PACKAGING

SEA-MATE HT SYN 460 2 grease is available in an 18-kg container (PCN 0046541).



Contact your Drew Marine representative for more information

Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



Drew Marine®

**100 South Jefferson Road
Whippany, NJ 07981 USA
1-973-526-5700
Drew-Marine.com**

Copyright © Drew Marine. All Rights Reserved. All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which seller assumes legal responsibility, and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.