

SEA-MATE™ HT SYN 50 2

Calcium sulfonate complex synthetic high temperature grease



DESCRIPTION

SEA-MATE HT SYN 50 2 is a technologically advanced synthetic grease designed for delivering reliable operation in high temperature, high speed marine applications, such as electric motor bearings, ventilation fans and auxiliary blower units.

SEA-MATE HT SYN 50 2 is formulated using an advanced calcium sulfonate complex thickener and a low 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 towards 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 down to -40°C, 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 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 PURPLE

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 use advanced calcium sulfonate thickeners to give a high performance level, ensuring safe operation in marine 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 HT SYN 50 2 with purple grease cap fittings or purple labels.

TYPICAL PROPERTIES*

PROPERTIES	TEST METHOD	SEA-MATE HT SYN 50 2
NLGI Grade	ASTM D 217	2
Color	Visual	Purple
Texture	Visual	Smooth
Base Oil Viscosity, cSt @ 40°C	ASTM D 445	50
Dropping Point, °C	ASTM D 2265	318
Consistency, 60 strokes mm/10	ASTM D 217	280
Mechanical Stability, • Worked 100,000 strokes, % change • Worked 10,000 strokes, with 50/50 water, %	ASTM D 217	2.4 8.0
Timken OK Load, kg	ASTM D 2509	27.2
4-Ball EP	ASTM D 2596; LWI, kgf	62
4-Ball EP	ASTM D 2596; Weld Point, kg	500
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	0.5
Low Temperature Torque, -40°C, Nm	ASTM D 4693	2.5
Mobility @ -35°C, g/minute	US Steel Method	9.0

*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 50 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 50 2 grease is available in an 18-kg container (PCN 0043547).



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.



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