



# PRODUCT DATA SHEET

## GulfSea HYPERBAR LC 3

*Marine High Temperature, High Speed Lithium Complex Grease specially formulated for electric motor bearings*

### Product Description

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**GulfSea HYPERBAR LC 3** grease is premium multipurpose lithium complex soap based grease for use in a wide range of marine, industrial and automotive applications. It is manufactured from high quality solvent refined base oils and performance additives to provide good structural stability, resistance to water washout and effective protection from wear and corrosion. It is specially designed to cope with high speed and high temperatures and provides an efficient protection under severe working conditions.

### Features & Benefits

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- Excellent mechanical stability and resistance to softening ensures long lubricant life and prevents leak out of bearings even in the presence of water.
- Excellent corrosion protection and resistance to water washout resulting in improved component protection and equipment life.
- Outstanding anti-oxidation properties extend bearing life in high temperature applications.
- High drop point ensures extended operating range of up to 160°C.

### Applications

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- Electric motor bearings
- Plain and roller bearings operating at high speed and high temperature
- Plain and roller bearings operating in a humid environment



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## Typical Properties

| Meets the following Specifications                              |             |                |
|---|-------------|----------------|
| ISO 6743/9 L-XCEEB3, DIN 51825 KP3P-30                          |             |                |
| Typical Properties  |             |                |
| Test Parameters   | Test Method | Typical Values |
| Colour  | Visual      | Blue           |
| Texture   | Visual      | Smooth         |
| NLGI  |             | 3              |
| Type of base oil  |             | Mineral        |
| Estimated operating temperature range                           |             | -30°C to 160°C |
| Base oil viscosity at 40°C; cSt                                 | D 445       | 110            |
| Consistency, worked penetration 60 strokes, 0.1mm               | D 217       | 229            |
| Worked penetration after 100,000 strokes; change in consistency | D 217       | 10             |
| Dropping point; °C  | D 2265      | 287            |
| Oil separation at 25°C for 24 hrs; %wt.                         | D 1742      | 1.7            |
| Leakage tendency at 105 °C & 6 hrs, gm                          | D 1263      | 1.4            |
| Water washout at 79°C; %wt. loss                                | D 1264      | 2.2            |
| Four ball weld load; kgf  | D 2596      | 200            |
| SKF - EMCOR steel corrosion; rating                             | D 6138      | 0-0            |
| Copper strip corrosion at 100°C for 24 hrs; rating              | D 4048      | 1a             |
| Rust protection   | D 1743      | Pass           |

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