



# PRODUCT DATA SHEET

## Athen Marine Grease HT LC EP Series

Extreme pressure Lithium complex high temperature grease

### Product Description

**Athen Marine Grease HT LC EP Series** is a high-temperature grease for high-performance, multipurpose lithium complex grease developed using an optimized combination of high-quality mineral oil, proprietary thickener technology, and a specially selected additive system enabling reliable performance across a wide range of temperatures whilst exposed to a variety of operational loads, speeds, and environmental conditions.

### Features & Benefits

- ➔ Excellent thermal and mechanical stability ensures prolonged product integrity across a wider operating temperature range, thus enabling extended relubrication intervals and reduced maintenance.
- ➔ Good extreme pressure and anti-wear properties provide the potential for prolonged component life. Good water resistance provides enhanced protection in applications where the potential for exposure and contamination is higher. Good corrosion protection. Excellent multipurpose potential, enabling a reduction in product inventory.

### Applications

- ➔ High Temperature Grease is intended for use in a wide range of plain and rolling element bearings within the Automotive, Industrial, Marine, and Energy Industries, especially targeting those applications where upper operating temperatures are likely to exceed the limits of conventional, lithium thickened greases.
- ➔ The excellent thermal and mechanical stability of High Temperature Grease makes it particularly suitable for use in bearing applications of higher-than-normal temperatures.
- ➔ High Temperature Grease also offers good resistance to water and corrosion as well as very good load carrying performance, making it suitable for general lubrication of bearings, slides & bushes on off-road construction, onshore drilling sites and offshore installations where greater extremes of pressure may be prevalent.

Athen Marine Grease HT LC EP Series			
Performance Meets/Exceeds	ISO 6743/9 L-XCEEB2/3, DIN 51825 KP2P-30 & DIN 51825 KP3P-30		
Test Parameters	Method	Typical Results	
Colour	Visual	Brown	Brown
Texture	Visual	Smooth	Smooth
Soap/Thickener		Lithium Complex	Lithium Complex
NLGI	Scale	EP 2	EP 3
Types of base oil		Mineral	Mineral
Base Oil viscosity " 40 deg C	D 445	150	110
Worked penetration@25°C, 60 double strokes	D217	265 – 295	220 - 250
Penetration after 100,000 double strokes	D217	(+10)	(+10)
Dropping point, °C	D2265	>260	>260
Oil Separation, at 25 deg C for 24 hrs. Wt. %	D1742	2.5	2.5
Water washout, 1 hr at 79°C. %wt., loss	D1264	3.0	3.0
Four ball weld loads, kgf	D2596	250	250
Copper strip corrosion at 100°C for 24 hrs.	D4048	1b	1b
Leakage tendency at 105 °C & 6 hrs, gm	D1263	2.0	2.0
Rust protection	D1743	Pass	Pass
Temperature Range		-30°C - +150°C	-30°C - +150°C

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that 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.