

Athen Marine Grease EAL Series

An Environmentally Acceptable Lithium Complex Grease

Product Description

Athen Marine Grease EAL Series are VGP-compliant, biodegradable base oils and hydrocarbon-related type, Lithium Complex greases. These greases are designed to operate in severe outdoor environments and withstand corrosion in high-performance industrial applications where incidental environmental exposure is a cause for concern. They are minimally toxic to aquatic life and animals and are Environmentally Acceptable Lubricants (EALs) compliant with the 2013 US EPA Vessel General Permit (VGP).

Features & Benefits

- It has a wide operating temperature range, -35°C to 135 °C.
- Extreme pressure and anti-wear performance.
- Ultra-low temperature performance, Outstanding water spray off performance, water resistance, Ferrous and yellow metal corrosion protection.
- Oxidatively stable, Good pumpability, shear stability, and sealing properties to keep out water and debris

Applications

- To exhibit its best performance in wire rope application, using pressurized wire rope lubricators is preferred to ensure grease reaches the core of the wire rope.
- Long shelf life of 5 years when stored in sealed containers out of direct sunlight and weather.
- Deck cranes, Wire ropes, Plain bearing, Open gears, typically found in marine mooring and cargo winches.
- Slow/medium speed marine deck applications such as ramp door bearings, pedestal bearings, and cargo hatch rollers.

Typical Characteristics

Athen Marine Grease EAL Series				
Performance meets/exceeds	US EPA VGP 2013 / VIDA			
Typical Characteristics	NLGI GRADE	EP0	EP1	EP2
Test Parameters	ASTM Method			
Appearance	Visual	Creamy White	Creamy White	Creamy White
Worked penetration@25°C,1/10 mm	D 217	>355	>310	>280
Drop Point, °C min	ASTM D2265	270	270	270
4-ball weld load, kg	D 2596	250	250	315
Water Spray Off, Grease Loss, Wt. %	D 4049	30	30	30
Corrosion Preventive Properties (3% NaCl Solution)	D 1743	Pass	Pass	Pass
Bioaccumulation Potential, % non-bio accumulative	Molecular weights of the components	>60	>60	>60

"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.