

## Athen Marine Gear EAL Series

Rapidly biodegradable high-performance gear oils

### Product Description

Rapidly biodegradable high-performance gear oils based on special, saturated esters. Extremely high thermal and ageing stability, high viscosity index, good viscosity-temperature behavior. For low-temperature applications. Excellent self-cleaning power due to polar ester structures, reduced friction, and outstanding wear protection. The GEAR EAL series surpasses the requirements of industrial gear oils.

### Features & Benefits

- ➔ High shear-stable viscosity index for consistent performance under severe operating conditions.
- ➔ It can also be used as self-cleaning gear oil (flushing oil) to maintain gearbox cleanliness
- ➔ It is compatible with most common sealing materials, including Nitrile and Viton.
- ➔ It has excellent water separation due to its demulsification properties and allows ready water separation.

### Applications

- ➔ Formulated for marine thrusters, certain CPP designs, heavily loaded spur, bevel, planetary, and worm gears, particularly in environments where oil leakage may pose a risk to soil and to ground or surface water.

### Typical Characteristics

Athen Marine Gear EAL Series					
Performance meets/exceeds	DIN 51517-3: CLP, ISO 12925-1 CKD, AGMA 9005/E02: EP, European Ecolabel (EEL), EAL (Environmentally Acceptable Lubricant), VGP & sVGP Compliant				
Typical Characteristics	SAE Grade	68	100	150	220
Test Parameters	ASTM Method	Typical			
Appearance	Visual	Clear & Bright			
Density @ 15°C, kg/l	D 1298	0.92	0.925	0.926	0.94
Viscosity @ 40°C, cSt	D 445	68	100	150	220
Viscosity @ 100°C, cSt	D 445	10.6	14.2	19.1	26.3
Viscosity Index	ASTM D2270	145	145	145	150
Flash Point, °C	D 92	280	280	280	280
Pour Point, °C	D 97	-39	-39	-39	-36

*"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."*