

Envirollogic® Gear Oil



Description

The Envirollogic® GO Series is comprised of readily biodegradable synthetic gear oils, designed for use in a wide variety of marine applications where incidental exposure of oil to the environment is of concern. In addition to being readily biodegradable and non-sheening, these products are formulated to offer advanced antiwear and extreme pressure properties, reliable corrosion and rust protection, and effective system cleanliness characteristics.

Envirollogic GO series are formulated to meet demanding FZG wear and extreme pressure test conditions involving temperature, speed, and pressure, while delivering safe and effective performance.

Typical Characteristics

	Envirollogic GO 68	Envirollogic GO 100*	Envirollogic GO 150
ISO Viscosity Grade	68	100	150
MPID	219729	219730	219731
Appearance (Observation)	Clear	Clear	Clear
Density, 15kg/L (ASTM D4052)	0.857	0.85	0.84
Flash Point, COC, °C (ASTM D92)	180	180	180
Foam Tend.,			
Seq. I, ml (ASTM D892)	10	10	10
Seq. II, ml (ASTM D892)	10	10	10
Seq. III, ml (ASTM D892)	10	10	10
Viscosity, kinematic			
mm ² /s @ 40°C (ASTM D445)	68	100	150
mm ² /s @ 100°C (ASTM D445)	12	18	23
Load-Wear Index, kgf (ASTM D2783)	48.7	48.7	48.7
Pour Point, °C (ASTM D97)	-42	-39	-39
Viscosity Index (ASTM D2270)	175	175	175

*Equivalent product (Envirollogic GO 100 only): Clarity SYN EA Gear Oil 100

Recommended Applications

These lubricants are biodegradable, non-bio accumulative, and minimally toxic. In the event of a spill, the product biodegrades by more than 60% within 28 days, helping to minimise the impact to the environment.

Envirollogic GO are designed to give maximum protection in marine gear equipment used on vessels and in environmentally sensitive areas.

Envirollogic Gear Oil is approved for:

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|---|---|
| <input checked="" type="checkbox"/> Chesterton Thruster | <input checked="" type="checkbox"/> Kemel Stern tube, ISO VG 150 |
| <input checked="" type="checkbox"/> Reintjes Gearbox, ISO VG 150 | <input checked="" type="checkbox"/> Kemel Thuster |
| <input checked="" type="checkbox"/> Garlock Thruster & CPP, ISO VG 150 | <input checked="" type="checkbox"/> Hundested Thruster, ISO VG 100, ISO VG 150 |
| <input checked="" type="checkbox"/> Versitec Thruster, ISO VG 100 | <input checked="" type="checkbox"/> James Walker Thruster, ISO VG 68, ISO VG 100 |
| <input checked="" type="checkbox"/> Thrustmaster Thruster, ISO VG 100 | <input checked="" type="checkbox"/> James Walker Stern tube |
| <input checked="" type="checkbox"/> SKF Stern tube, ISO VG 100, ISO VG 150 | <input checked="" type="checkbox"/> Carco Thruster, ISO VG 150 |
| <input checked="" type="checkbox"/> Nakashima Thruster, ISO VG 100, ISO VG 150 | <input checked="" type="checkbox"/> Brunvol Thruster, ISO VG 68 |
| <input checked="" type="checkbox"/> Kamome Thruster, ISO VG 100, ISO VG 150 | <input checked="" type="checkbox"/> Hwasueng Thruster, ISO VG 68 |
| <input checked="" type="checkbox"/> Wartsila Japan Stern tube | <input checked="" type="checkbox"/> Kongsberg / Rolls Royce CPP, ISO VG 68 |
| <input checked="" type="checkbox"/> Lagersmit Stern tube, ISO VG 100, ISO VG 150 | |

Envirollogic Gear Oil meets the requirements of:

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| <input checked="" type="checkbox"/> ISO 15925-1 CKC/CKD | <input checked="" type="checkbox"/> David Brown S1.53.101 |
| <input checked="" type="checkbox"/> CFR40 Part 435B: non sheen | <input checked="" type="checkbox"/> DIN 51517, Part 3 |
| <input checked="" type="checkbox"/> ANSI/AGMA 9005 E02, 250.04/251.02 | <input checked="" type="checkbox"/> U.S. Steel 224 |
| <input checked="" type="checkbox"/> Cincinatti EP Gear Oils | |

Performance Benefits
1. Environmentally Acceptable

Meets the requirements of the EPA Vessel General Permit (VGP 2013) for biodegradation, low toxicity, and low bioaccumulation.

2. Zinc-Free

Suited for applications involving yellow metals found in axial piston pumps.

3. Long Oil Life

Good ability of the synthetic base stock to withstand oxidation at high operating temperatures helps deliver maximum service life for the oil relative to vegetable based readily biodegradable products.

4. Low Temperature Pumpability

Specifically developed with high viscosity index to help ensure good fluidity for low operating temperatures.

5. Premium Performance

Ashless formulation helps to provide good protection against wear of hydraulic pumps, as well as rust and corrosion protection, hydrolytic stability, water separability, foam inhibition, and filterability.

Environment, Health and Safety

Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain an SDS for this product visit chevronmarineproducts.com.



Chevron's Family of Brands

Disclaimer. Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which 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. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.