



Clarity[®] Synthetic EA Gear Oil

Description

Clarity[®] Synthetic EA Gear Oils* are readily biodegradable high performance gear oils that meet EPA Vessel General Permit (VGP) requirements for environmentally acceptable lubricants. They are designed to give maximum protection in industrial gear applications on vessels and in environmentally sensitive areas. These lubricants are non-bioaccumulative and minimally toxic. In the event of a spill, the product biodegrades by more than 60% within 28 days, minimizing the impact to the environment. Clarity Synthetic EA Gear Oils are designed to give maximum protection in marine gear equipment used in applications requiring a high performance gear oil and have environmental concerns such as off-shore marine or Oil and Gas, construction in or near water, mining and power utility operations as well as other high-performance industrial applications. Clarity Synthetic EA Gear Oils are formulated with synthetic base stock and an ashless, zinc-free additive system that provide exceptional oxidation stability, water separability, foam suppression, and protection against wear, rust and corrosion. Clarity Synthetic EA Gear Oils are high VI synthetic products which allow for operation over a wide temperature range. Clarity Synthetic EA Gear Oils are designed to the performance requirements of conventional antiwear/extreme pressure gear oils, while providing an additional benefit in case of leaks or incidental discharge to the environment.

Typical Test Data

Viscosity Grade	ISO 100	ISO 150
Code	219014	219015
Viscosity, Kinematic cSt at 40°C	100.0	150.0
Viscosity, Kinematic cSt at 100°C	18.0	23.0
Viscosity Index	199	183
Flash Point, °C	185	185
Pour Point, °C	-39	-39
API Gravity	36.8	36.8

Recommended Uses

Clarity Synthetic EA Gear Oils are designed to give maximum protection in marine gear equipment used on vessels and in environmentally sensitive areas. Clarity Synthetic EA Gear Oils are suitable for use in equipment manufactured by Aegir, AGMA (EP 9005-E02), Berg, Blohm+Voss, Cincinnati Milacron P-76 (ISO 100) and P-77 (ISO 150), David Brown (S1.53.101), DIN 51517 (Part 3), IHC Merwede, James Walker, Kamewa (ISO 100 only), Kemel, Ortlinghaus, Schottel, and Wärtsilä. Clarity Synthetic EA Gear Oils are miscible with common mineral based gear oils, however, following good practice, in-service oils should be completely drained to avoid any risk of additive incompatibility and ensure that the full performance benefits are achieved. Do not use in high pressure systems in the vicinity of flames, sparks, and hot surfaces. Use only in well ventilated areas. Keep container closed.

Performance Benefits

1. Environmentally Acceptable

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

2. Premium Performance

Ashless formulation provides excellent protection against wear of industrial gears, provides rust and corrosion protection, water separability, foam inhibition, EP protection and shear stability.

3. Long Oil Life

Outstanding ability of the synthetic base stock to withstand oxidation at high operating temperatures results in maximum service life for the oil relative to vegetable-based readily biodegradable products.

4. Excellent Low Temperature Pumpability

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

* Chevron Clarity EA Gear Oils are rebrands of Terresolve Technologies, Ltd. products as follows:

Chevron	Terresolve Technologies
Clarity [®] Synthetic EA Gear Oil 100	ENVIROLOGIC [®] 210
Clarity [®] Synthetic EA Gear Oil 150	ENVIROLOGIC [®] 215

ENVIROLOGIC[®] is a trademark owned by Terresolve Technologies, Ltd. DBA RSC Bio Solutions and is used with permission.

Typical test data are average values only. Minor variations which do not affect product performance are expected in normal manufacturing. Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices. (January, 2015)

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