ENVIRO BLEND

PRIMROSE SINCE 1916

Technical Data Sheet

B680 Enviro Blend

Industrial Gear Lubricant

DESCRIPTION:

Enviro Blend B680 is a complete environmental gear lubricant formulated for biodegradability, non-toxicity, and superior industrial gear lubricant performance.

COMPOSITION:

Enviro Blend B680 is a parasynthetic industrial gear lubricant formulated with biodegradable and non-toxic components. B680 is a carefully balanced blend of vegetable and synthetic ester base stocks, viscosity modifiers, tackifiers, and most importantly, vegetable-derived and completely non-toxic performance additives. These additives include:

- Anti-Wear Additives
- Extreme Pressure Additives
- Oxidation Inhibitors
- Corrosion Inhibitors
- Rust Inhibitors
- Demulsifiers
- Adhesive/Cohesive Additives

PERFORMANCE CHARACTERISTICS:

Enviro Blend B680 provides outstanding industrial gear oil performance in an environmentally responsible formulation. B680 provides excellent extreme pressure and load carrying performance. It also meets and exceeds industrial gear oil requirements AGMA 250.04 and US Steel 224 specifications. It has very high oxidation stability for long term use which also allows it to pass the L-60 automotive gear test. B680 prevents both rust and corrosion in salt water and is completely non-corrosive to yellow metals, such as brass, copper, or bronze bushings. B680 has an exceptionally high wear prevention and load carrying capability with outstanding film strength and lubricity. Viscosity index is extremely high, allowing much less viscosity change due to temperature variations.

Enviro Blend B680 is a Marine Readily Biodegradable Gear Oil that meets the USDA definition EO 13101 for Biobased products and the U.S. EPA's 2013/2018 Vessel General Permit (VGP) specifications and requirements for Environmentally Acceptable Lubricants (EAL). It is a superior marine gear oil for applications where B680 may come into contact or is used around both fresh or ocean waters including where the United States Coast Guard (USCG) requires such a product.

USES:

Enviro Blend B680 is responsibly recommended for any industrial gear oil application. It is completely compatible with conventional gear oils and no special cleanouts for changeover to B680 are required. However, any other components mixed with B680 will naturally have a proportional effect on the percentage of biodegradability of the mixture, and any significant contamination with conventional gear oils could possibly affect the claim of non-toxicity for the mixture.

APPLICATIONS:

Enviro Blend B680 is especially recommended for applications where potential leakage or accidental release of lubricant into soil or waters might occur, or for any application where a non-toxic lubricant is desired for either human or animal safety.

ENVIRO BLEND

PRIMROSE SINCE 1916

Technical Data Sheet

B680

Enviro Blend Industrial Gear Lubricant

TYPICAL SPECIFICATIONS:

Viscosity	ISO 220
Viscosity Index	180
Specific Gravity	0.94
Rust Test, ASTM D665	Passed synthetic sea water
Foam Test, ASTM D892	No Foam
Copper Corrosion, ASTM D130	1A
Four Ball EP, ASTM D2783	400 kg with 62 LWI
Timken OK Load, ASTM D2782	100 lb
AGMA 250.04	Pass
L-60 Automotive Gear Test	Pass
FZG Load Stages Passed	12+
EPA 560/6-82-003, Shake Flask Test	60%+ biodegradation in 28 days

TDS B680 (Rev. 10.29.26)