GearMaxx

Extreme pressure gear oils (API GL-3, GL-4, GL-5, SAE J2360) contain specific additive formulas designed to provide long term wear protection.

PowerUp GearMaxx is a commercial additive package designed to blend with these oils to complement and enhance the protection of equipment under difficult performance requirements where the oil alone proves inadequate.

Conventional EP additives generally require elevated temperatures to initiate their film strength. The enhanced high strength protective film becomes much less temperature dependant when using GearMaxx; providing better protection on start up and in cold weather applications.

GearMaxx is compatible with mineral based (Group II + III) and synthetic-based polyalphaolefin and diester (Group IV) gear oils. GearMaxx is not recommended for use with water based fluids, phosphate esters or polyglycol fluids.

GearMaxx contains no solid particles or heavy metals and is compatible with manufacturer specifications requiring low-ash (SAPS) oil content.



GearMaxx: Use with SAE J2360, API GL-3, GL-4, and GL5 gear oils 5% GearMaxx to Oil volume ratio is the recommended concentration for most applications. Oil monitoring is highly recommended when using concentrations greater than 5% GearMaxx.

PART#: 3325-1 (150mL) 3326-1 (1L)

Over the life of a fluid the additive package depletes. GearMaxx can extend fluid life and slow the process of oil degradation. Friction reduction specifically in boundary or mixed lubrication conditions lowers operating temperature, limiting the effects of fluid oxidation. GearMaxx can also be used to re-additize gear oil that has lost crucial additives over its service life.

GearMaxx is intended for use in gear reducers, bearing housings, posi-trac and limited slip differentials, cone and jaw crushers, pulverizing equipment, final drives, conveyor gear boxes, manual transmissions, drop boxes, rotary tables, tube and ball mills, chain drives, mud pumps, bull gear and pinion sets, oil bath hubs and other oil lubricated systems which call for extreme pressure (EP) oils.

3327-1 (4L) 3329-1 (205L Drum) 3328-1 (20L Pail)

DESIGNED FOR PERFORMANCE

•Extend Oil service Life

Improve energy efficiency

•Integrates well with synthetic and conventional gear oils

•Reduces Ultrasonic noise caused by component wear •Reduces fuel and/or electrical power consumption in many applications

•Improves filtration efficiency by reducing the generation of large wear particles.

•Increases equipment availability; extends component life

•Enhances film strength and improves shear resistance.



www.maryninternational.com

Product Manufactured in Canada GearMaxx, MARYN, PowerUp Lubricants, logos and designs are trademarks owned by MARYN International LTD. All other trademarks are property of their respective owners. ISO 9001-2008 registered. © 2012 MARYN International All rights reserved.

GearMaxx

ADDITIVE PACKAGE OVERVIEW

Viscosity Index Improvers: Enhanced VI maintains lubricant flow and improves shear stability of the oil, especially at extreme temperatures.

Extreme Pressure/Anti Wear additives: Polarized AW, Friction Modifier and EP components provide unequaled protection in high load, high friction conditions. Fluid strength increase allows for significant friction reduction and protection of gears and gearbox components. Polarized film protects during start up conditions. **Dispersants:** Maintains cleanliness and keeps contaminants in suspension. May remove varnish buildup in older equipment.

Seal Conditioners: reduces the long term effects of heat exposure to elastomer seals, keeping seals pliable.

Oxidation Inhibitors and Acid Neutralizers:

Enhanced alkaline reserve prevents oil breakdown during service life. Increased stability and performance of the basic lubricating components of the oil.

Rust and Corrosion Inhibitors: Protects against adverse effects of moisture and oil oxidation caused by free wear metals present in oil.

Carefully balanced formula is designed to complement and enhance the existing gear oil formulations.

GearMaxx should be mixed with the oil prior to being put into service. May be added to component directly when needed. Oil Analysis is recommended when extending fluid service life.

TREAT RATIO 5% of oil volume or 3% of oil volume when using high viscosity gear oils (ISO 320 and above).

		ON GEAR OILS
	Clear, Light Amber	no change
	Liquid	no change
D 445	77	no change
D 445	П	no change
D 2270	129	variable*
D 941	0.96	no change
D 97	-36	minimal decrease
D 92	170	no change
D 92	175	no change
D 664	1.07	decrease ~10%
D 2896	1.4	no change
te, MoS2)	none	no change
	0	no change
	1012	increase ~ 50ppm
D 892	none	none
D 665	Pass	Pass
D 130	IA	IA
	D 445 D 2270 D 941 D 97 D 92 D 92 D 664 D 2896 te, MoS2) D 892 D 665 D 130	Liquid D 445 77 D 445 11 D 2270 129 D 941 0.96 D 97 -36 D 92 170 D 92 175 D 664 1.07 D 2896 1.4 te, MoS2) none D 892 none D 665 Pass

*Viscosity index improvement is based on the % concentration and the type of VII in the stock oil. Additional friction modifiers are not recommended when using GearMaxx as the FM chemistry may interfere with performance.



www.maryninternational.com

Product Manufactured in Canada GearMaxx, MARYN, PowerUp Lubricants, logos and designs are trademarks owned by MARYN International LTD. All other trademarks are property of their respective owners. ISO 9001-2008 registered. © 2012 MARYN International All rights reserved.