



MAXFILM®

SYNTHETIC EP PENETRATING OIL & MULTIPURPOSE LUBRICANT
WITH SYNERLEC®

MaxFilm® is a synthetic extreme pressure penetrating oil and multipurpose lubricant that excels in a wide array of applications. It deeply penetrates, cleans and loosens rusted parts. Once applied, its solvent carrier evaporates and leaves a tenacious lubricating film on all metal surfaces, providing long-lasting protection against wear, rust, and corrosion.

Featuring a blend of highly effective corrosion inhibitors, anti-wear agents, and our proprietary Synerlec® technology, Maxfilm helps equipment run smoother, cooler, quieter, and more efficiently – supporting longer service life, greater reliability, and maximized uptime with reduced maintenance.



PROPRIETARY ADDITIVE TECHNOLOGY – SYNERLEC®

Synerlec® additive technology forms a tough, slippery film that bonds ionically to metal surfaces, increasing oil film thickness beyond what viscosity alone can provide. This reinforced film greatly reduces the likelihood of breach, preventing metal-to-metal contact even under severe operating conditions where ordinary lubricants would fail. Because Synerlec allows a lubricant to carry significantly higher loads than other mineral and

synthetic oils, it delivers extra protection for bearings exposed to misalignment, shaft flex, high temperatures, imbalance, or water contamination – factors that typically thin oil films. In addition, Synerlec can smooth metal surfaces already damaged by wear by gently micro-mending surface asperities

PERFORMANCE & OTHER ADVANTAGES

HIGHLY EFFECTIVE PENETRANT – Cleans and loosens rusted bolts, nuts and other metal parts, eliminating seizure and friction.

EXCELLENT WEAR PROTECTION – Long-lasting film that coats metal surfaces for extended protection against wear.

RUST & CORROSION PROTECTION – Promotes moisture displacement by delivering a protective film that prevents wet metal surfaces.

ROBUST CLEANING ACTION – Dissolves tough stains, grime, adhesives and greases, restoring functionality and enhancing cleanliness.



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TYPICAL APPLICATIONS

- Loosening stuck or rusty parts
 - » Nuts, bolts, locks, hinges, etc.
- Lubrication
 - » Power tools, hinges, chains, rollers, open gears, fishing tackle, lawn equipment, etc.
- Preserving and protecting against rust and corrosion
 - » Parts in storage, disassembled machinery parts, wire ropes, etc.
- Manual cutting fluid to facilitate the ease of hand drilling, tapping, metal cutting, etc., when working with steel and aluminum

TECHNICAL DATA

Color	Amber
Relative Density @ 60°F/60°F, ASTM D1298	0.866
Viscosity @ 100°C, cSt, ASTM D445	2.2
Viscosity @ 40°C, cSt, ASTM D445	7.6
Viscosity Index ASTM D2270	101
Flash Point °C (°F), ASTM D92	105 (221)
Pour Point °C (°F), ASTM D97	-45 (-49)
Rust Test 4 hrs @ 60°C, DI H2O, ASTM D665A	Pass
Rust Test 4 hrs @ 60°C, Sea H2O, ASTM D665B	Pass
Four-Ball Wear @ 75°C, 1200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D4172	0.40

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