



SYN V EMD™

SYNTHETIC EMD ENGINE OIL

BEYOND SYNTHETIC™

Syn V EMD is recommended for EMD / GE diesel engines with silver coated bearings.

Syn V EMD keeps EMD engines much cleaner than mineral EMD oils while providing superior anti-wear / anti-scuffing / anti-seizing protection. Syn V EMD greatly extends oil and filter change intervals and reduces the fuel consumption and high oil consumption common in most EMD diesel engines.

Syn V EMD is formulated with Royal Purple's proprietary Synerlec additive technology, which is proven to make equipment run smoother, cooler, quieter, longer and more efficiently. It leaves a thin, tough, protective film on all metal surfaces, which protects engines by providing instant lubrication upon startup and acting as a preservative oil during shutdown.

SYNERLEC® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synerlec additive technology that gives its lubricants their amazing performance advantages. Synerlec additive technology truly is beyond synthetic.

Synerlec additive technology forms a tough, slippery, synthetic film on all metal surfaces. This proprietary film significantly improves lubrication: first, by increasing the oil film's thickness, and second, by increasing the oil film's toughness, both of which help to prevent metal-to-metal contact. It displaces moisture from metal surfaces and protects all metals against rust and corrosion. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

PERFORMANCE ADVANTAGES

- Clean, Efficient Engines**
 The synthetic solvency of Syn V EMD keeps engine ports and parts cleaner than detergents.
- Longer Oil Life**
 The superior oxidation stability of Syn V EMD greatly extends drain intervals.
- Extended Filter Change Intervals**
 The synthetic oil stability of Syn V EMD minimizes harmful oil degradation.

PERFORMANCE ADVANTAGES, CONTINUED

- Prolongs Engine Life**
 The tough, tenacious, synthetic film of Syn V EMD provides superior engine protection during both operation and startup.
- Energy Efficient**
 Syn V EMD has a lower coefficient of friction to save fuel.
- Environmentally Responsible**
 Syn V EMD meets Code of Federal Regulation 40, Part 261, App. VII.
- Superior Corrosion Protection**
 Syn V EMD contains a synthetic corrosion inhibitor to protect engines during operation and to function as a preservative oil during shutdown. Syn V EMD is noncorrosive to silver and other metals.
- EMD / GE Approved**
 Syn V EMD is formulated with approved EMD / GE additives.

		SAE GRADE
TYPICAL PROPERTIES*	ASTM METHOD	40
Viscosity	D-445	
cSt @ 40°C		131.3
cSt @ 100°C		14.1
Viscosity Index	D-2270	105
Flash Point, °F	D-92	465
Pour Point, °F	D-6892	-27
Corrosion Test	D-130	
3 Hrs @ 100°C		1A
Rust Test	D-665	
Fresh Water		PASS
Salt Water		PASS
Foam Test, Seq II	D-892	
Initial/Final/Time(sec)		3/0/1
Density, lbs/g	D-4052	7.49
Total Base Number, mgKOH/g	D-2896	13
LMOA Generation	---	V

*Properties are typical and may vary