



## TECHNICAL INFORMATION

### Product Description

- Engineered to enhance boundary lubricant protection for critical engine parts such as the ring zone, camshaft lobes and turbocharger
- Formulated to reduce metal to metal contact friction, lowering operating temperatures
- Designed to inhibit rust and corrosion and extend equipment life
- Developed to protect seals around ring zone area improving combustion efficiency and reducing smoke opacity and blow-by
- Engineered to reduce dry starts. Protective film maintains lubrication at start
- Formulated to improve filtration by reducing the generation of large wear particles which clog the filtration system
- Detergents and dispersants prevent sludge and varnish build up
- Blended with an acid scavenger to neutralize blow-by gases
- Compatible with mineral oils, polyalphaolefin and diester based synthetic oils.
- Add at 3-5% to engine oil or 50mL (1<sup>1</sup>/<sub>2</sub> oz.) per liter (quart)

### Typical Properties

Properties	Method	Results
Appearance		Clear, Light, Amber Liquid
Color	ASTM D1500	L 2.5
Viscosity @ 40 °C	ASTM D445	69 cSt
Viscosity @ 100 °C	ASTM D445	9 cSt
Viscosity Index	ASTM D2270	105
Density @ 20 °C	ASTM D941	1.00 g/mL
Pour Point	ASTM D97	-21 °C
Flash point (COC)	ASTM D92	195 °C
Fire point (COC)	ASTM D92	210 °C
Copper Corrosion	ASTM D130	1b
Total Base Number	ASTM D2896	13.3 mg KOH/g
Zinc and Lead content		None
Solid particles, PTFE, graphite, molybdenum content		None
Elastomer Compatibility	ASTM D4289 (3% in 10W-30 Oil)	Pass
- Nitrile		Pass
- Neoprene		Pass
- Fluorocarbon		Pass
Rust Prevention	ASTM D665	Pass
- Distilled water	(100%>NNL 690)	Pass
- Synthetic sea water		Pass