



## Pyroshield® Syn Hvy & XHvy Open Gear Lubricants

	<u>9011 XHvy</u>	<u>9000 Hvy</u>
<b>Color</b>	Purple	Purple
<b>Gravity</b> °API, ASTM D1298	25.8	23.3
<b>Viscosity</b> @ 100°C (212°F), cSt, ASTM D445	1,104 w/o diluent	880.0
<b>Viscosity</b> @ 40°C (104°F), cSt, ASTM D445	36,070 w/o diluent	28,980
<b>Viscosity</b> @ 40°C (104°F), cSt, min., ASTM D445	6,000 w/ diluent	–
<b>Viscosity</b> @ 99°C (210°F), SUS, calculated	5,149 w/o diluent	4,104
<b>Viscosity Index</b> min., ASTM D2270	190 w/o diluent	190
<b>Diluent</b>	Yes	No
<b>Flash Point</b> °C (°F), (COC), ASTM D92	112 (235) w/ diluent 196 (385) w/o diluent	196 (385)
<b>Pour Point</b> °C (°F), ASTM D97	0 (32)	12 (54)
<b>Rust Test</b> 4 hrs @ 60°C (140°F), DI H2O, ASTM D665A	Pass	Pass
<b>Rust Test</b> 4 hrs @ 60°C (140°F), Sea H2O, ASTM D665B	Pass	Pass
<b>Copper Corrosion</b> 3 hrs @ 100°C (212°F), ASTM D130	1b	1b
<b>Timken OK Load</b> lbs, ASTM D2782	95	95
<b>Four-Ball EP Weld Point</b> kgf, ASTM D2783	400	400
<b>Four-Ball EP Load Wear Index</b> kgf, ASTM D2783	95	95
<b>SRV-EP</b> @ 50°C (122°F), 1 mm stroke, 50 Hz frequency, ball on disc, max load w/o seizure, N, ASTM D5706	1,200	1,200
<b>FZG Fail Stage</b>	14+	14+

### Performance Requirements Met or Exceeded

- AGMA 9005-EO2
- Falk Corporation
- FFE Minerals
- Foster Wheeler
- Fuller Traylor
- Metso
- Walchandnagar Industries Ltd, India

### Typical Applications

Industries where large open gears are in service, including:

- Coal-fired power generation
- Mining (iron, copper and other minerals)
- Sugar beet processing
- Cement
- Ceramics
- Paint
- Glass and sand

