

PGWI SERIES

PREMIUM PAG-BASED LUBRICANTS

APPLICATIONS:

The PGWI Series are fully synthetic lubricants formulated with superior polyalkylene glycol (PAG)-based oils. These premium lubricants are designed for use in compressors and vacuum pumps compressing polar gases, such as NH₃, CO₂, and propane. They offer excellent rust resistance and are excellent in wet gas compression. The PGWI Series yield a compressor service life of 8,000 – 10,000 hours under good operating conditions.

TYPICAL INDUSTRIAL APPLICATIONS:

- Rotary Screw Compressors
- Reciprocating Compressors
- Rotary Vane Compressors
- Vacuum Pump
- Centrifugal Compressors

PERFORMANCE BENEFITS:

- Resists hydrocarbon washout/dilution
- Extended drain life
- Reduced sludge and deposit formation
- Excellent oxidative and thermal stability

TYPICAL PROPERTIES	TEST METHOD	PGWI 46	PGWI 68	PGWI 100	PGWI 150	PGWI 220
ISO Grade	---	46	68	100	150	220
Viscosity @ 40°C,cSt	ASTM D445	46	69	106	154	220
Viscosity @ 100°C,cSt	ASTM D445	9.4	12.9	18.9	25.7	34.5
Viscosity Index	ASTM D2270	191	193	195	195	205
Flash Point, °C/°F	ASTM D92	232/450	238/460	230/445	288/551	294/561
Pour Point, °C/°F	ASTM D97	-51/-60	-40/-40	-40/-40	-38/-36	-38/-36
Four ball wear-40Kg.,1200rpm, 1 hr@75°C, Scar Diameter, mm	ASTM D4172	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Specific Gravity	ASTM D4052	0.98	0.98	0.98	0.99	0.99

Caution: Not compatible with petroleum oils and synthetic hydrocarbons

HEALTH & SAFETY

To obtain an SDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com



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