

## PGWS SERIES

### PREMIUM PAG-BASED GEAR LUBRICANTS

#### Applications:

The PGWS Series are fully synthetic, high performance gear oils formulated with superior polyalkylene glycol (PAG)-based oils. Premium anti-oxidants, anti-wear, and corrosion inhibitor additives enhance the performance of these products. The PGWS Series are recommended for industrial worm gear lubrication. They can also function well as general purpose gear lubrication.

#### Typical Industrial Applications:

- Rotary Screw Compressors
- Reciprocating Compressors
- Rotary Vane Compressors
- Vacuum Pumps
- Centrifugal Compressors
- Enclosed gears and bearings

#### Performance Benefits:

- Resists hydrocarbon washout/dilution
- High load carrying capacity
- Reduced sludge and deposit formation
- Excellent oxidative and thermal stability
- Low friction and less power consumption
- Good steel on steel and steel on bronze anti-wear

TYPICAL PROPERTIES	TEST METHOD	PGWS 150	PGWS 220	PGWS 320	PGWS 460	PGWS 680	PGWS 1000
ISO Grade	ASTM D2422	150	220	320	460	680	1000
Viscosity @ 40°C,cSt	ASTM D445	150	220	340.6	460	688	1000
Viscosity @ 100°C,cSt	ASTM D445	25	38	58	71	118	167
Viscosity Index	ASTM D2270	201	225	240	234	273	287
Flash Point, °C/°F	ASTM D92	291/555	295/563	291/555	291/555	291/555	291/555
Pour Point, °C/°F	ASTM D97	-42/-44	-37/-35	-35/-29	-33/-27	-32/-26	-31/-24
FZG, load stage	DIN-51354	11	12	12	12	12	12
Rust Prevention	ASTM D665A	Pass	Pass	Pass	Pass	Pass	Pass
Specific Gravity	ASTM D1298	1.05	1.0-1.1	1.0-1.1	1.0-1.1	1.0-1.1	1.0-1.1

**Caution: Not compatible with petroleum oils and synthetic hydrocarbons.**

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**HEALTH & SAFETY**

To obtain an MSDS 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](mailto:info@ultracheminc.com)



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