



Bart & Associates

INDUSTRIAL EQUIPMENT & SUPPLIES

I-PGE, I-PGI and I-PGS ROTARY SCREW COMPRESSOR LUBRICANTS

Applications:

I-PGE, I-PGI and I-PGS are developed from a unique premium blend of polyalkylene glycol (PAG) and pentaerythritol esters, which together form an exceptional coolant and act to reduce oxidation and deposit formation. These lubricants offer excellent heat transfer properties, long life, high flash points, low evaporation, low volatility, and excellent hydrolytic stability. They do not form varnish deposits like petroleum or PAO oils. I-PGI and I-PGS are the generic alternatives to Ingersoll Rand SSR Ultra Coolant® and Sullube® 32 respectively and give the equivalent service life of 8,000 hours in rotary screw compressors.

Typical Industrial Applications:

- Rotary Screw Compressors

Performance Benefits:

- 100% synthetic
- Wide temperature range
- Eliminates deposit formation
- Cost effective
- Eliminates seasonal oil changes
- Polyalkylene glycol/pentaerythritol ester blend
- Extended oil change intervals
- High flash points mean reduced fire hazards
- Waste disposal is minimized due to longer life

TYPICAL PROPERTIES	TEST METHOD	I-PGE/I-PGI	I-PGS
ISO Grade	ASTM D2422	46	32/46
Viscosity @ 40°C,cSt	ASTM D445	45.4	40
Viscosity @ 100°C,cSt	ASTM D445	9.6	8.3
Viscosity Index	ASTM D2270	202	188
Flash Point, °C/°F	ASTM D92	251/483	220/428
Pour Point, °C/°F	ASTM D97	-51/-60	-48/-55
Auto-ignition, °C /°F	ASTM E659	396/745	366/690
Foaming Sequences I, II, III	ASTM D892	Nil	Nil
Color	Visual	—	Green
Specific Gravity	ASTM D1298	0.99	0.99

Sullube 32® and SSR Ultra Coolant® are registered trademarks of Sullair and Ingersoll Rand respectively.