

# Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties are current as of May 13, 2002.

## SYNTHETIC NATURAL GAS COMPRESSOR

### PGS SERIES

*Summit PGS synthetic lubricants are polyglycol-based products for use in natural gas rotary screw compressors. The resistance to thinning out by hydrocarbon dilution allows PGS to maintain the proper operating viscosity, extending drain intervals and parts life. This unique blend is specifically additive treated with rust and corrosion inhibitors, oxidation control agents, anti-wear compounds, and hydrogen sulfide inhibitors. Contact your Summit representative for specific product recommendations.*

*As the PGS lubricants are incompatible with petroleum oils, care should be taken to make sure the two are not mixed.*

### Physical Properties

PRODUCTS	PGS-68	PGS-100	PGS-150
ISO Grade	68	100	150
Viscosity			
@ 40°C, cSt	68	100	148
@ 100°C, cSt	14.8	19.4	27.8
@ 100°F, SUS	340	501	746
@ 210°F, SUS	78.2	97.8	135
Viscosity Index	230	218	227
Pour Point, °F (°C)	-38 (-39)	-34 (-37)	-30 (-34)
Density, g/ml, 60°F	1.0413	1.0441	1.0484
100°F	1.0243	1.0276	1.0321
185°F	0.9852	0.9902	0.9939
Flash Point, °F (°C)	450 (232)	450 (232)	460 (238)

### Thermal Characteristics:

#### Specific Heat

Cal/g-°C  
 60°C = 0.48  
 80°C = 0.49  
 100°C = 0.51

#### Thermal Conductivity

BTU/Hr/(Ft\*°F)  
 100°F = 0.095  
 200°F = 0.090