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# 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 in this publication are current as of May 13, 2002.

## SYNTHETIC BLEND

### NGP SERIES Natural Gas Compressor

*Summit NGP Series lubricants are synthetic blends formulated from highly refined hydrogenated paraffinic petroleum and high temperature synthetic base stocks. The addition of **SYNTHOLATE** inhibits the formation of varnish and carbon and provides superior thermal and oxidative stability. Utilizing the superior base stocks fortified with **SYNTHOLATE** extends the life of **Summit NGP Series** lubricants compared to that of conventional mineral oils and provides the following money saving benefits:*

- *Reduces lubricant consumption - Extended drain intervals and lower vapor pressures reduce lubricant consumption.*
- *Reduces maintenance - **SYNTHOLATE** reduces carbon and varnish formation thus extending the time interval between overhauls.*
- *Excellent lubricity - Provides improved wear protection for bearings and other moving parts.*
- *Good compatibility - The base stocks and special additive package provide excellent compatibility with system components and inhibit against hydrogen sulfide corrosion.*
- *Improves safety - Higher flash points provide a greater margin of safety inspection results.*

### Physical Properties

PRODUCTS	NGP-68	NGP-100	NGP-150
ISO Viscosity Grade	68	100	150
Viscosity:			
@ 40°C, cSt	67	95	150
@ 100°C, cSt	10	13.1	18.6
@ 100°F, SUS	343	488	774
@ 210°F, SUS	61	72	95
Viscosity Index	137	136	140
Specific Gravity	0.870	0.872	0.876
Density			
@ 60°F, g/mL	0.868	0.871	0.875
@ 185°F, g/mL	0.824	0.827	0.831
Pour Point, °F (°C)	-27(-33)	-25 (-32)	-25 (-32)
Flash Point, °F (°C)	470 (243)	440 (227)	435 (224)
Four Ball Wear Test, mm	0.51	0.72	0.58

### Thermal Characteristics:

#### Specific Heat

BTU/lbm - °F  
 140°F = 0.476  
 160°F = 0.485  
 180°F = 0.494

#### Thermal Conductivity

BTU/hr - ft<sup>2</sup> and °F/inch  
 0°F = 0.94  
 200°F = 0.88  
 400°F = 0.83