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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 January 19, 2010.

## PREMIUM SYNTHETIC BLEND

### PS SERIES Air Compressor

*Summit PS Series premium synthetic blend lubricants are a blend of synthetic and petroleum base fluids specially designed for compressor applications and are useful in multi-purpose applications. The lighter grades are also well suited for gas and steam turbine applications. The PS Series is manufactured using the highest quality base stocks, additive treated with rust and corrosion inhibitors, oxidation control agents, anti-wear compounds and defoamants and is exceptional at controlling sludge and deposits. Please contact your Summit representative for specific product recommendations.*

### Physical Properties

PRODUCTS	PS-100	PS-150	PS-200	PS-300	PS-400
ISO Grade	32	46	68	100	150
Viscosity					
@ 40°C, cSt	29.6	45.8	63.6	97.1	145.1
@ 100°C, cSt	5.12	6.68	8.31	10.97	14.31
@ 100°F, SUS	153	237	329	505	760
@ 210°F, SUS	43.4	48.6	54.2	63.7	76.7
Viscosity Index	100	97	99	97	96
Pour Point, °F	-33	-33	-27	-27	-27
(°C)	(-36)	(-36)	(-33)	(-33)	(-33)
Flash Point, °F	440	460	480	500	505
(°C)	(227)	(238)	(249)	(260)	(263)
Emulsion Tendency	40/40/0 (15 mins.)	40/40/0 (15 mins.)	42/38/0 (20 mins.)	41/39/0/ (15 mins.)	43/37/0 (10 mins.)
Four Ball Wear Test, mm1200 rpm, 167°F, 40 kg	0.54	0.60	0.50	0.50	0.61



### Summit PS SERIES APPLICATIONS

#### Summit PS-100

is recommended for use in the following applications:

- Rotary screw and centrifugal compressors
- Low temperature lubrication
- High temperature lubrication
- Turbine lubrication
- General lubrication for applications requiring an ISO 32 lubricant

#### Summit PS-150

is recommended for use in the following applications:

- Rotary screw and centrifugal compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- Turbine lubrication
- Mist lubrication systems
- General lubrication for application requiring an ISO 46 lubricant

#### Summit PS-200

is recommended for use in the following applications:

- Rotary screw and vane compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- Turbine lubrication
- General lubrication for applications requiring an ISO 68 lubricant

#### Summit PS-300

is recommended for use in the following applications:

- Reciprocating and rotary vane compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- General lubrication for applications requiring an ISO 100 lubricant

**Summit PS-400** is recommended for use in the following applications:

- Reciprocating and rotary vane compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- General lubrication for applications requiring an ISO 150 lubricant