

## PAG WATER SOLUBLE GAS COMPRESSOR LUBRICANT



### DESCRIPTION

#### PURUS® SYNTHETIC SOLUTIONS PAG WATER SOLUBLE GAS COMPRESSOR LUBRICANT

series is a synthetic polyalkylene glycol (PAG) compressor lubricant developed for use with high specific gravity hydrocarbon gas streams. The series has limited solubility with hydrocarbons allowing the product to be used in applications where other lubricants would be diluted beyond usefulness. It is formulated with an advanced additive system suited for acidic environments. The product displays outstanding thermal, oxidative, and hydrolytic stability in applications that require extended drain intervals and performance. The low pour point and stable viscosity of the product increases effectiveness in applications where high and low temperature extremes are encountered.

### APPLICATIONS\*

- Reciprocating and screw compressors
- Gas gathering compressors
- Refinery gas applications
- Landfill gas applications
- Vapor recovery units
- Offshore hydrocarbon gas compression
- High pressure reciprocating gas compressors
- Sour gas applications

\* To assure proper lubricant selection, please consult your PURUS Synthetic Solutions representative.

### PERFORMANCE BENEFITS

FEATURES:	BENEFITS:
<ul style="list-style-type: none"><li>• Limited hydrocarbon gas solubility</li><li>• Water soluble at ambient temperatures</li><li>• Extremely high viscosity index and low pour point</li><li>• Excellent rust and corrosion protection in sour or acidic conditions</li><li>• Excellent thermal and oxidative stability</li></ul>	<ul style="list-style-type: none"><li>• Longer life of compressor parts including cylinders, bearings, rings and gears</li><li>• Effective lubrication in wide range of hydrocarbon gas mixtures</li><li>• Resists "washing off" cylinder walls of reciprocating compressors</li><li>• Decreases potential of free water and minimize corrosion during shutdown</li><li>• Better oil flow and less wear at start up</li><li>• Ability to start at low ambient temperatures</li><li>• Minimal vapor phase oil carryover to downstream equipment</li><li>• Longer filter life</li></ul>

# PAG WATER SOLUBLE GAS COMPRESSOR LUBRICANT

### TYPICAL PROPERTIES\*

### TEST METHOD

### ISO GRADE 100

### ISO GRADE 150

### ISO GRADE 220

Viscosity cSt @ 40° C	ASTM D-445	108.6	161.3	220.1
Viscosity cSt @ 100° C	ASTM D-445	21.35	29.9	40.5
Viscosity Index	ASTM D2270	224	228	238
Specific Gravity @ 60°F/15.6° C	ASTM D-4052	1.04	1.05	1.05
Density, lb/gal	ASTM D-4052	8.67	8.75	8.75
Flash Point, °F/°C	ASTM D-92	473/245	478/248	511/266
Pour Point, °F/°C	ASTM D-97	-38/-39	-44/-42	-27/-33
Air Release, min. @50°C	ASTM D-3427	NA	5.23	NA
Rust	ASTM D-665A	Pass	Pass	Pass
• Fresh Water Corrosion	ASTM D-665B	Pass	Pass	Pass
• Salt Water Corrosion				

\*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all of our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AIOD or its affiliates for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult your local AIOD Distributor if you require any further information.

	5 GALLON PAIL	55 GALLON DRUM	275 GALLON	330 GALLON TOTE
ISO 100	PSS27357	PSS17357	PSS57357	PSS77357
ISO 150	PSS27358	PSS17358	PSS57358	PSS77358
ISO 220	PSS27359	PSS17359	PSS57359	PSS77359