PURUS
SYNTHETIC SOLUTIONS

CUT THE COST, NOT THE QUALITY.
"YOU CAN TAKE IT TO THE LAB."

PAG SYNTHETIC INDUSTRIAL GEAR LUBRICANT

Made in USA

DESCRIPTION

PURUS® SYNTHETIC SOLUTIONS PAG SYNTHETIC GEAR LUBRICANT series is a fully formulated polyalkylene glycol (PAG) based synthetic high performance gear lubricant. It is formulated with an advanced additive system to prevent oxidation, corrosion, foam and provide excellent wear protection. This product displays outstanding thermal, oxidative, and hydrolytic stability in gear applications that require high load protection and extended drain intervals. The low pour point and extremely high viscosity index increases effectiveness in applications where high and low temperature extremes are encountered.The PAG Series passes the DIN 51819 T1-T3 (FE-8 bearing bench test).

APPLICATIONS*

- Helical, spiral, worm and bevel gears
- High and low ambient gear applications
- Heavy duty gear boxes
- Closed gear box applications

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

PERFORMANCE BENEFITS

FEATURES:	BENEFITS:
• Excellent load and wear protection • Extremely high viscosity index and low pour point • Excellent rust and corrosion protection • Excellent thermal and oxidative stability	• Maximum gear life • No solid formation • Better oil flow and less wear • Wide operating temperature range • Maximum equipment life • Longer oil life • Minimize maintenance costs

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TYPICAL PROPERTIES*	TEST METHOD	ISO GRADE 150	ISO GRADE 220	ISO GRADE 320	ISO GRADE 460
Viscosity cSt @ 40° C	ASTM D-445	161.3	220.1	316.6	465
Viscosity cSt @ 100° C	ASTM D-445	29.9	40.5	56.5	77.5
Viscosity Index	ASTM D2270	228	238	246	249
Specific Gravity @ 60°F/15.6° C	ASTM D-4052	1.05	1.05	1.05	1.05
Density, lb/gal	ASTM D-4052	8.75	8.75	8.75	8.75
Flash Point, °F/°C	ASTM D-92	478/248	511/266	510/262	515/268
Pour Point, °F/°C	ASTM D-97	-35/-37	-27/-33	-33/-36	-33/-36
Four Ball EP, Weld Load, Kg	ASTM D-2783	>190	>200	>200	200
FZG Gear Test	ASTM D-5182 / DIN 51354	> 12	> 12	> 12	14
FAG FE8 Bearing Wear Test Roller Wear (mg)	DIN 51819	< 4	< 4	< 4	< 4
Steel Corrosion	ASTM D665A	Pass	Pass	Pass	Pass
Copper Corrosion 3 Hours@100°C 24 Hours @100°C	ASTM D-665	 1lb 1lb	 1lb 1lb	 1lb 1lb	 1lb 1lb

*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.

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	5 GALLON PAIL	55 GALLON DRUM	275 GALLON	330 GALLON TOTE
ISO 150	PSS27378	PSS17378	PSS57378	PSS77378
ISO 220	PSS27379	PSS17379	PSS57379	PSS77379
ISO 320	PSS27380	PSS17380	PSS57380	PSS77380
ISO 460	PSS27381	PSS17381	PSS57381	PSS77381