

PURShield™

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."

WHITE MINERAL OIL HYDRAULIC FOOD GRADE NSF H-1



DESCRIPTION

PURUS® PURShield™ White Mineral Oil Hydraulic Food Grade series is formulated with an advanced ashless additive system to prevent corrosion, resist oxidation and provide excellent wear protection. The low pour point and stable viscosity offers increased effectiveness in applications where high and low temperature extremes are encountered. The hydraulic is formulated to meet 21 CFR 178.3570 incidental food contact requirements. NSF H1, Kosher and Halal certified.



APPLICATIONS

RECOMMENDED APPLICATIONS:

- Hydraulic Applications
- Food Processing

PERFORMANCE BENEFITS

PURUS® PURShield™ White Mineral Oil Hydraulic Food Grade is blended with selected premium quality base oils and additives to provide these essential features and benefits:

FEATURES:	BENEFITS:
<ul style="list-style-type: none">• Extremely low water content• Ashless formulation• Good viscosity index and low pour point• Rust and corrosion protection• Superior thermal and oxidative stability• Excellent Load Carrying	<ul style="list-style-type: none">• Longer gear bearing life• Lower solid formation• Better oil flow and less wear at start up• Wide operating temperature range• Longer oil and filter life• Minimize maintenance costs and down time

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TYPICAL PROPERTIES	TEST METHOD	ISO GRADE 32	ISO GRADE 46	ISO GRADE 68	ISO GRADE 100
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Viscosity cSt @ 40° C	ASTM D-445	32.53	46.6	67	99
Viscosity cSt @ 100° C	ASTM D-445	5.7	7.3	9.6	11.96
Viscosity Index	ASTM D2270	116	118	123	111
Moisture, ppm	ASTM D-1744	< 150	< 150	< 150	< 100
Specific Gravity at 60°F/15.6° C	ASTM D-4052	0.867	0.860	0.867	0.871
Density, lb/gal	ASTM D-4052	7.21	7.19	7.23	7.27
Flash Point, °F/°C	ASTM D-92	410/210	460/238	464/240	514/268
Pour Point, °F/°C	ASTM D-97	-47/-44	-33/-36	-33/-36	-13/-27
RPVOT	ASTM D 2270	-	1978	1945	-
Four Ball Wear, 75°C 40Kg 1200RPM 60min	ASTM D-4172	0.42	0.40	0.40	-
Steel Corrosion	ASTM D 655 A & B	Pass	Pass	Pass	Pass
Foam Testing (Seq. I,II,III) 1 min	ASTM D 892	0/0,0/0,0/0	0/0,0/0,0/0	0/0,0/0,0/0	0/0,0/0,0/0
Copper Corrosion (3 hr, 100°C)	ASTM D-130	1b	1b	1b	1b
Demulsibility	ASTM D1401	43/37/0 15 min.	44/36/0 15 min.	43/37/0 15 min.	-

*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. Minor variations in product typical test data are to be expected in normal manufacturing.

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	5 GALLON PAIL	55 GALLON DRUM	275 GALLON	330 GALLON TOTE
ISO 32	PPS27384	PPS17384	PPS57384	PPS77384
ISO 46	PPS27382	PPS17382	PPS57382	PPS77382
ISO 68	PPS27383	PPS17383	PPS57383	PPS77383
ISO 100	PPS27385	PPS17385	PPS57385	PPS77385