



PURShield™

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."

FULL SYNTHETIC ZINC- FREE AW HYDRAULIC



DESCRIPTION

PURUS® PURShield™ Full Synthetic Biodegradable Zinc-Free Hydraulic Oils are high quality zinc-free biodegradable hydraulic oil offering excellent oxidation protection with a unique zinc-free additive system. These biodegradable Zinc-Free oils are available in an ISO 32 and 46 viscosity ranges to meet many equipment specifications. These readily biodegradable oils are formulated with synthetic ester base oils, these products provide the optimum balance between performance and protection of our environment.



APPLICATIONS

RECOMMENDED APPLICATIONS:

- Vickers 104C Vane Pump Test

PERFORMANCE BENEFITS

PURUS® PURShield™ Full Synthetic Biodegradable Zinc-Free Hydraulic Oils are blended with selected premium quality base oils and additives to provide these essential features and benefits:

FEATURES:	BENEFITS:
<ul style="list-style-type: none">• Readily biodegradable• Synthetic ester base oils• Zinc free	<ul style="list-style-type: none">• Environmentally friendly• Excellent thermal and oxidation protection• Optimum balance between performance and protection• Wide operating temperature range• Excellent choice for marine, wildlife, park and recreational, Golf courses and mine hydraulic applications

FULL SYNTHETIC ZINC- FREE AW HYDRAULIC

TYPICAL PROPERTIES*

TEST METHOD

ISO-Viscosity Grade		32	46
Specific Gravity	ASTM D-4052	0.912	0.914
Flash Point °F/°C	ASTM D-92	328 (164)	500 (260)
Pour Point °F/°C	ASTM D-97	-65 (-54)	-65 (-54)
Viscosity @ 40 °C	ASTM D-445	33.7	45.9
Viscosity @ 100 °C	ASTM D-445	8	11
Viscosity Index	ASTM D-2270	223	241
ASTM Rust Test	ASTM D-665 A&B	Pass	Pass
Acid Number mg KOH/g	ASTM D974	0.3	0.3
Copper Corrosion	ASTM D130	Pass	Pass
4 Ball Wear Test	ASTM D4172	0.45	0.42
Aquatic Toxicity, Rainbow Trout 1000mg/L 96h LC50	OECD 203 1-12	Non-toxic	Non-toxic
Biodegradability in 28 days	OECD 301B, %	>70	>70

*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
AW 32	PIN26795	PIN16795	PIN56795	PIN76795
AW 46	PIN26796	PIN16796	PIN56796	PIN76796