



PURShield™

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."

SYNTHETIC BLEND ZINC- FREE AW HYDRAULIC



DESCRIPTION

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

FEATURES:

- Readily biodegradable
- Synthetic ester and vegetable base oils
- Zinc free

BENEFITS:

- 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

SYNTHETIC BLEND 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	-30 (-34)	-32.8 (-36)
Viscosity @ 40 °C	ASTM D-445	36.9	43.4
Viscosity @ 100 °C	ASTM D-445	8.1	9.65
Viscosity Index	ASTM D-2270	202	212
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.

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
AW 32	PIN26797	PIN16797	PIN56797	PIN76797
AW 46	PIN26798	PIN16798	PIN56798	PIN76798