



Shield HydroPlus AW

ANTIWEAR HYDRAULIC FLUID

ISO 32, 46, 68, 100, 150, 220, 320

DESCRIPTION

Premium-quality anti-wear hydraulic fluid designed for use in mobile and stationary high pressure hydraulic systems. Contains a stabilized zinc additive system which provides outstanding anti-wear characteristics, it also provides good thermal and oxidation stability.

APPLICATIONS

- Recommended for all hydraulic systems designed to use a mineral oil based fluid, regardless of pump type, operating speeds and pressures.
- Should be used whenever anti-wear hydraulic fluids are specified by the equipment manufacturer or where high wear has occurred when using non-antiwear hydraulic fluids.
- Suitable for enclosed gears operating under moderate load conditions, as well as industrial circulating systems where a rust and oxidation inhibitor or antiwear oil is required.

PERFORMANCE STANDARDS

Meets the requirements of German hydraulic fluid Standard DIN 51524 Part 2 and U.S.Steel Specification 126&127. Approved in the Denison Hydraulics HF-0 for severe-duty axial piston and vane pump service, and Vickers Specifications M-2952-S, 1-286-S for industrial applications and M-2950-S for mobile hydraulic equipment.

CUSTOMER BENEFITS

- Reduces risk of breakdown due to overloading by protecting the components of high pressure hydraulic systems against wear.
- Maintains system efficiency by rapidly releasing entrained air.
- Good filterability and trouble-free performance in the presence of water contamination through excellent hydrolytic stability and its rapid water separation characteristics.
- Compatible with all kinds metals used in hydraulic systems including silver and phosphor-bronze pump components which are used in axial piston pumps..
- Provides long service life by resisting oil thickening and the formation of harmful deposits.
- Protects against rust and corrosion.

TYPICAL SPECIFICATION

ISO	32	46	68	100	150	220	320
Density @ 15°C	0.859	0.865	0.867	0.868	0.8716	0.8797	0.8861
Kinematic Viscosity, mm ² /s @ 40°C	31.57	47.05	65.82	97.8	142.7	226.6	338.7
Kinematic Viscosity, mm ² /s @ 100°C	5.5	6.93	8.74	11.92	15.08	20.51	26.49
Viscosity Index	110	103	105	104	107	106	103
Pour Point °C	-33	-33	-30	-24	-33	-24	-18
Flash Point °C	221	229	235	243	268	270	270
Rust Preventive, Sea Water(D665)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation Characteristics(D943)	1500+	1500+	1500+	1500+	1500+	1500+	1500+
Package (Liters)	200, 20, 5, 4						