

ADVANTAGE AW SERIES PAO-BASED HYDRAULIC FLUIDS

OVERVIEW

ADVANTAGE AW SERIES PAO-BASED HYDRAULIC FLUIDS are fully synthetic and formulated from premium polyalphaolefins (PAO) base fluids for use in a wide variety of applications. Specifically designed for industrial and mobile hydraulic systems operating at high pressure and under extreme temperature conditions. ADVANTAGE AW SERIES PAO-BASED HYDRAULIC FLUIDS have superior anti-wear and rust and oxidation inhibitors to provide excellent wear protection for hydraulic pumps and motors. They have outstanding oxidation resistance and thermal stability to help minimize deposit formation, and provide long service life, and protect against rust and corrosion. This series also has excellent demulsibility in the presence of water and provides foam resistance.

FEATURES & BENEFITS

- Excellent wear protection
- Long life service
- Superior rust and corrosion resistance
- Wide temperature operating variations
- Outstanding oxidation inhibition

APPLICATIONS

ADVANTAGE AW SERIES PAO-BASED HYDRAULIC FLUIDS are particularly recommended for use in applications where operating conditions may be unfavorable or too severe for conventional mineral oil-based hydraulic oils.

SPECIFICATIONS

Denison HF-0, HF1, HF2: Vickers M-2950-S: DIN 51524 Part 2 HLP22, HLP32, HLP46, and HLP68X: US Steel 136, 127: Cincinnati Milacron P-45, P-68, P-69 and P-70:

TYPICAL PROPERTIES

PRODUCT CODES	964	965	966	PAO-AW100
ISO Grade	32	46	68	100
Viscosity, cSt/40 °C	31.1	47.3	68.6	95.2
Viscosity, cSt/100 °C	5.75	7.86	10.1	12.85
Viscosity Index	127	136	132	133
Flash Point, COC °F	240/464	240/464	238/460	260/500
Pour Point, °C	-48/-55	-48/-55	-48/-55	-45/-49
Copper Corrosion	1B	1B	1B	1B
Rust	Pass	Pass	Pass	Pass
Evaporation, %	<1%	<1%	<1%	<1%
Specific Gravity	0.86	0.86	0.86	0.87