



Explorer® Hydraulic Oil AW

PREMIUM ANTI-WEAR HYDRAULIC OIL

DESCRIPTION

Explorer® Hydraulic Oil AW is a premium quality anti-wear hydraulic oil designed to exceed the performance requirements of major pump manufacturers.

Explorer® Hydraulic Oil AW is specially formulated with hydro-treated, high VI Group II+ base oils combined with a zinc/phosphorus anti-wear additive package to minimize wear in high speed, high pressure vane, piston and gear-type hydraulic pumps in stationary and mobile applications.

INDUSTRY/OEM SPECIFICATIONS

Parker Hannifin (Denison) HF-0, HF-1, HF-2	Meets Requirements
Eaton-Vickers I-286-S, M-2950-S, 35VQ25A	Meets Requirements
DIN 51524 Part 2, Anti-wear Hydraulic Oils, Type HLP	Meets Requirements
Fives Cincinnati P-68 (AW 32), P-69 (AW 68) P-70 (AW 46)	Meets Requirements
US Steel 136	Meets Requirements
General Motors LS-2	Meets Requirements

TYPICAL PROPERTIES

ISO Grade	32	46	68
Specific Gravity @ 60°F	0.854	0.857	0.865
Color, ASTM D1500	L 1.0	L 1.5	L 2.5
Flash Point (COC), °C	230	248	254
Pour Point, °C	-39	-36	-33
Viscosity			
cSt @ 40°C	32.5	43.6	66.5
cSt @ 100°C	5.7	6.9	9.0
Viscosity Index	115	114	111
Copper Corrosion, ASTM D130	1a	1a	1a
Demulsibility, ASTM D1401	Pass	Pass	Pass
Oxidation Stability			
TOST, ASTM D943-04a, hours	6,500	6,500	5,500
Rust Test, ASTM D665 A&B	Pass	Pass	Pass

The values quoted above are typical of normal production. They do not constitute a specification.