

Hydraulic Oil Anti-Wear (AW)

AW 32, 46, 68, 100
3000 Hr. Oxidation

American Oil since 1895® anti-wear hydraulic fluids are premium quality anti-wear hydraulic oils for use in industrial and mobile service applications where anti-wear hydraulic oils are required. They are designed to give maximum performance in a range of hydraulic components used in systems subjected to moderate to severe operating conditions where detergency, cleanliness and deposit control are required.

American Oil since 1895® anti-wear hydraulic fluids are a blend of high quality paraffinic base stocks fortified with an excellent additive package including anti-wear, oxidation and rust inhibitors which provide superior wear protection, oxidation resistance, thermal stability, control of deposits, rust and corrosion protection, anti-foam and excellent demulsibility.

American Oil since 1895® anti-wear hydraulic fluids are fluids are recommended for circulating and hydraulic systems utilizing piston, vane or gear pumps. They are formulated to meet or exceed the requirements for industrial and mobile hydraulic systems which call for: Vickers I-286-S, M-2950-S, Denison HF-1, HF-2, HF-0, Racine, variable volume vane pumps, Cincinnati Milacron P-68, P-69, P-70, DIN 51524, Part 2, Lee-Norse 100-1, Jeffrey No 87, Ford M-6C32, U.S Steel 136,127, B.F. Goodrich 0152, General Motors LH-04-1, LH-06-1, LH-15-1, Commercial Hydraulics*, AFNOR E 48-603

** Except for PM-500 series silver containing pumps which require R & O additives systems.

Typical Test Data

Test	ASTM Method	32	46	68
API Gravity	1298	.871	.875	.879
Flash Point. COC <C>	92	204	221	235
Fire Point ASTM C	92	232	248	263
Pour Point ASTM C	97	-30	-30	-25
Color	1500	1.5	2.0	2.0
Viscosity cST @ 40C	445	32	46	67.0
Viscosity cST @ 100C	445	5.3	6.8	8.2
Viscosity Index	2270	96	100	88
Appearance	Visual	B&C	B&C	B&C
Foaming: ML @ 24^c/93.5^c/24^C	D-892			
Tendency		PASS	PASS	PASS
Stability @ 5 Minutes		PASS	PASS	PASS
Acid Number MGKOH/G	974	0.3	0.3	0.3
CU Corrosion 3 HRS @ 100 ^C	130	PASS	PASS	PASS
Rust Test Sea Water 24 Hrs	6658	PASS	PASS	PASS
Emulsion Test Hr.	1401	PASS	PASS	
Turbine Oil Oxidation Test	943	PASS	PASS	PASS

The typical test data for these products are intended as averages only. Minor variations, which do not affect each of the product's performance, are expected and are part of the normal manufacturing process. For further information on the safe use and handling of these products, please refer to the appropriate Material Data Safety Sheet. The information in this data sheet is, to the best of American Oil & Supply Co's knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control.