

Product Information



A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.

Valvoline® AW Hydraulic Oils

Valvoline AW (Anti-Wear) Hydraulic Oils are top-tier oils formulated with premium high viscosity index (VI) base oils and additives for use in a wide variety of hydraulic systems. They are zinc-based, non-detergent oils with excellent oxidation and demulsibility characteristics and contain rust and foam inhibitors. These oils have excellent D943 Oxidation Life, and a D665A/B no rust pass.

The excellent demulsibility and high VI of Valvoline AW Hydraulic Oils proves highly useful in mobile equipment applications. Other suitable applications (of proper grades) include lubrication of machine tools, servo controls, metalworking equipment, as light duty crankcase oils, circulating systems, bearings/journal (anti friction) and gear cases.

Do not use in ammonia compressors, as heat transfer oils, with silver bearings or at prolonged temperatures above 200° F.

Meets Performance of	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320
Cincinnati Milacron P-68	AW32						
Cincinnati Milacron P-70		AW46					
Cincinnati Milacron P-69			AW68				
Denison HF-0/HF-1/HF-2	AW32	AW46	AW68	AW100	AW150	AW220	AW320
Vickers I-286-S, & M2950-S	AW32	AW46	AW68	AW100	AW150	AW220	AW320
Racine variable volume vane pumps	AW32	AW46	AW68	AW100	AW150	AW220	AW320
Lee Norse 100-1	AW32	AW46	AW68	AW100	AW150	AW220	AW320
ASLE 150-215-315 AW	AW32	AW46	AW68	AW100	AW150	AW220	AW320
U.S. Steel 126, 127, 136	AW32	AW46	AW68	AW100	AW150	AW220	AW320
DIN 51524, Part 2	AW32	AW46	AW68	AW100	AW150	AW220	AW320
JCMAS	AW32	AW46	AW68	AW100	AW150	AW220	AW320
Ford M-6C32	AW32	AW46	AW68	AW100	AW150	AW220	AW320
B.F. Goodrich 0152	AW32	AW46	AW68	AW100	AW150	AW220	AW320
AFNOR E 48-603	AW32	AW46	AW68	AW100	AW150	AW220	AW320
General Motors LS-2, LH-03, LH-04, LH-06	AW32	AW46	AW68	AW100	AW150	AW220	AW320
Joy Mining Machinery HO-T, HO-S, HO-T2.	AW32	AW46	AW68	AW100	AW150	AW220	AW320

Typical Properties

API Gravity @ 60° F	30.4	30.2	28.3	28.3	27.6	27.3	26.9
Viscosity @ 40° C cSt	32	46	68	100	150	220	320
Viscosity @ 100° C cSt	5.52	6.92	8.85	11.44	14.82	19.0	24.32
Viscosity Index	109	106	103	101	98	97	97
Pour Point °F	-42	-39	-36	-30	-15	0	0
Flash Point - COC °F	390	400	480	490	510	500	520
Fire Point - COC °F	440	450	515	530	540	535	570
Oxidation Test ASTM D943 to a 2.0 Neut., Hrs.	>4500	>4500	>4500	>3500	>2500	>1000	>1000

Part Numbers

Bulk	VV0400	VV0420	VV0440	VV702060	VV702160	VV702260	VV702180
55 Gallon Drum	VV040	VV042	VV044				
5 Gallon Pail	VV041	VV043	VV045				

In a clean, dry condition, this oil will typically exceed 30 kv when tested by ASTM D-877 Dielectric Breakdown Voltage of Insulating Liquids.

Refer to Valvoline Inc.'s Material Safety Data Sheet for health and safety information.

This information only applies to products manufactured in the following location(s): USA, Canada.

Effective Date:	Expiration Date:	Replaces:	Author's Initials:	Code
04/29/10	N/A	10/30/2009	JRT	PI 1001

ASHLAND