



Premium Anti-Wear Hydraulic Oil

Product Information Sheet

DESCRIPTION:

FLOMAX AW Premium Anti-wear Hydraulic Oil is a top quality low-zinc antiwear hydraulic oil designed for use in hydraulic systems ranging from simple to the latest in high technology and high performance.

The line of FLOMAX AW oils is blended with high quality base oils having excellent stability and quality, balanced additive system that provides oxidation and thermal stability, antirust, demulsibility, antiwear, and antifoam characteristics. The zinc type antiwear agent used in these oils helps minimize wear in high speed, high pressure, vane and gear pumps while meeting the lubrication requirements of the axial piston pumps having bronze and steel metallurgy. FLOMAX AW oils are highly stable under thermal or oxidative stress and are exceptionally stable when in the presence of moisture, showing little tendency to hydrolyze and attack copper.

FLOMAX MV 32 Premium Anti-Wear Hydraulic Oil is formulated with exceptional cold temperature flow properties that exhibit multigrade performance. A very shear stable viscosity index improver is used to impart a high viscosity index, enabling maximum performance over a wide range of start-up and operating temperatures, while reducing viscosity shear down. FLOMAX MV 32 also has very good dielectric properties and can be used in hydraulic systems that must be electrical non-conductors.

APPLICATION:

FLOMAX AW Premium Anti-Wear Hydraulic Oils are recommended for the most severe operating pressure applications and exceed the following manufacturers' performance levels:

- Abex Denison HF-1, HF-2, HF-0
- Cincinnati Milacron P-68, P-69, P-70
- Racine variable volume vane pumps
- Vickers I-286-S, M-2950-S (35VQ25)
- U.S. Steel 136, 127
- DIN 51524, Part 2
- ASTM D-943 Oxidation Test: Exceeded 2000 Hours
- ASTM D-665 Rust Test: Pass

FEATURES & BENEFITS:

Excellent vane and piston pump performance with low copper activity, providing extended pump life.

Provides excellent oxidation and thermal stability for longer drain intervals.

Reduced maintenance due to outstanding rust prevention capabilities.

Superior hydrolytic stability with quick water separation providing good demulsibility and protection against filter plugging.

Special antifoam agent assures the proper functioning of the system.

MV 32 will perform as a multigrade, with low temperature performance similar to a ISO 22 and high temperature performance similar to ISO 46. MV 32 performs in a wider temperature range for low temperature startup and high temperature operation.

FLOMAX PREMIUM ANTI-WEAR HYDRAULIC OIL								
Typical Properties								
ISO Viscosity Grade	MV32	22	32	46	68	100	150	220
Approximate SAE Grade	(5W-20)	(5W)	(10W)	(20W)	(20)	(30)	(40)	(50)
Viscosity @100° C, cSt	6.50	4.14	5.18	6.70	8.56	11.1	15.0	18.4
SUS	47.5	39.9	43.3	48.1	54.3	63.1	77.9	91.7
@40° C, cSt	35.0	20.7	30.2	45.3	66.0	96.3	149	203
SUS	164	101	142	211	306	446	690	940
Viscosity Index	135	100	100	100	100	100	100	100
Pour Point, Deg. F	-40	-40	-25	-20	-20	-10	0	15
API Gravity	30.3	32.5	30.5	29.6	29.0	28.5	28.3	28.0
Flash Point, Deg. F	330	400	405	410	435	440	445	460
Dielectric Strength, min.	25KV							
The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.								

HEALTH & SAFETY:

A complete Material Safety Data Sheet is available upon request. Used oil contains by-products which may be harmful. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute – return used oil to a collection center.