

P-MPH AW SERIES

PETROLEUM MULTI-PURPOSE AW HYDRAULIC FLUIDS

Applications:

The P-MPH AW Series are high performance petroleum anti-wear hydraulic fluids for use in a wide variety of industrial and mobile hydraulic systems, mining equipment, and moderately loaded gear sets, as well as general purpose lubrication. These fluids are designed for use in piston, gear pumps, and vane pumps used in industrial and mobile hydraulic systems. The P-MPH AW Series have superior anti-wear additives to provide excellent wear protection for pumps, motors, and other hydraulic systems components. They have outstanding oxidation resistance and protect against rust and corrosion. This series also has excellent demulsibility in the presence of water and provides foam resistance.

Typical Industrial Applications:

- Hydraulic Systems on Mobile Equipment, i.e. Dump Trucks, Motor Graders, Bulldozers, and Forklifts
- Hydraulic Presses, Shears, Jacks and Punches in Machine Shops
- Automated Machine Tools
- Chain Drives
- Plain and Rolling-Element Bearings used in Electric Motors.
- Service Station Lifts
- Electrical Service Repair Trucks
- Compressors
- Vacuum Pumps
- Mining Equipment

Performance Benefits:

- Excellent anti-wear protection
- Meets or exceeds the specifications of Dennison HF-2, Vickers I-286-S, Cincinnati Milacron P-68, P-69, P-70.

ULTRACHEM

TYPICAL PROPERTIES	TEST METHOD	P-MPH 22 AW	P-MPH 32 AW	P-MPH 46 AW	P-MPH 68 AW	P-MPH 100 AW	P-MPH 150 AW	P-MPH 220 AW	P-MPH 320 AW
Viscosity @ 40°C,cSt	ASTM D445	22	32	46	68	100	150	220	320
Viscosity @ 100°C,cSt	ASTM D445	4.4	5.4	6.9	8.9	11.4	14.6	18.3	24.0
Viscosity Index	ASTM D2270	102	100	100	100	98	95	95	95
Gravity, °API		31.1	31.5	30.0	28.5	30.0	27.4	27.0	26.5
Flash Point, °C/°F	ASTM D92	207/405	207/405	210/410	210/410	213/415	232/450	244/471	243/470
Pour Point, °C/°F	ASTM D97	-18/-0	-18/0	-18/0	-15/5	-12/10	-9/15	-7/20	-4/25
Oxidation Stability, TOST	ASTM D943	4000	4000	4000	4000	---	---	---	---
Demulsibility, 54.5°C, Min		20	20	20	20	20	20	20	20
FZG Pass, Load Test		10	10	10	10	10	10	10	10
Color	ASTM D1500	1.0	1.0	1.5	1.5	3.0	3.5	4.0	5.0
Zinc, % wt		0.045	.026	.026	.026	.026	.026	.026	.026
Cooper Corrosion		1A	1A	1A	1A	1A	1A	1A	1A
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Lbs./Gal		7.26	7.26	7.34	7.42	7.34	7.42	7.42	7.51
Specific Gravity		0.87	0.87	0.88	0.89	0.88	0.89	0.89	0.90

HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com



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