

HYFLOW AW

High Performance
Anti-Wear Hydraulic Oils

MaxPro1 Hyflow AW hydraulic oils are formulated from selected highly refined base stocks and premium additive package to provide excellent anti-wear protection, oxidation and corrosion inhibition, as well as foam and aeration suppression. All grades have excellent demulsibility characteristics.

APPLICATIONS

- **MaxPro1 Hyflow AW** series versatile lubricants are available in a wide range of ISO viscosity grades. ISO 32, 46, 68 AND 100 grades are the most commonly used for hydraulics with vane-, piston-, or gear-type pumps, especially where pressures exceed 1000 psi.
- **MaxPro1 Hyflow AW** oils are compatible with all common construction metals and sealing materials used in hydraulic systems. However, they should not be used in conjunction with components which employ silver or silver-plated parts.

FEATURES AND BENEFITS

- Excellent anti-wear properties reduce the abrasion of a hydraulic pump operating under high -pressure, high-speed condition to a minimum, and maintain smooth operation for a long period of time.
- Effective rust and corrosion inhibition protects metal surfaces under severe operating conditions.
- High oxidation stability makes possible stable performance under high -temperature, high-pressure conditions for a long period of time.
- Low foaming tendency, even at high circulation rates.
- Good water separation allows removal of water to reduce damages caused by corrosion.
- Compatible with all gaskets, O-rings and sealing materials used in hydraulic and circulating lubrication systems.

PERFORMANCE LEVEL

Meet the performance requirements of:

- Parker (formerly Denison) HF-0, HF-1, HF-2 (HM)
- Eaton M-2950-S and I-286-S3
- MAG P68, P69, P70 (HM)
- DIN 51524-2 (HM)
- ISO 11158 (HM)
- ASTM D6158 (HM)



Revision 27/11/17
Superceding issue of
23/09/15

- SAE MS 1004 (HM)
- Bosch Rexroth RE 90220
- JCMAS P041 HK Hydraulic specification
- ANSI/AGMA 9005-E02-RO
- GM LS-2
- AIST 126, 127
- SEB 181222

TYPICAL PROPERTIES

ISO VG Grade	Test Method	10	15	22	32
Product Code		6030	6031	6032	6033
Density @ 15°C, kg/l	ASTM D4052	0.890	0.882	0.858	0.860
Viscosity, cSt @ 40°C @ 100°C	ASTM D445	9.62 2.42	15.0 3.21	22.2 4.36	31.7 5.42
Viscosity Index	ASTM D2270	55	62	104	105
Flash Point COC, °C	ASTM D92	148	180	205	216
Pour Point, °C	ASTM D97	-42	-36	-30	-30
Demulsibility, min.	ASTM D1401	10	10	10	10
Rust Prevention	ASTM D665A	Pass	Pass	Pass	Pass
Copper Corrosion	ASTM D130	1a	1a	1a	1a

ISO VG Grade	Test Method	46	68	100	150
Product Code		6034	6035	6036	6037
Density @ 15°C, kg/l	ASTM D4052	0.864	0.872	0.878	0.883
Viscosity, cSt @ 40°C @ 100°C	ASTM D445	46.50 6.87	68.7 8.81	98.4 11.2	146.7 14.4
Viscosity Index	ASTM D2270	102	100	99	96
Flash Point COC, °C	ASTM D92	220	224	230	236
Pour Point, °C	ASTM D97	-30	-24	-21	-21
Demulsibility, min.	ASTM D1401	10	20	10	10
Rust Prevention	ASTM D665A	Pass	Pass	Pass	Pass
Copper Corrosion	ASTM D130	1a	1a	1a	1a

HYFLOW AW

High Performance
Anti-Wear Hydraulic Oils



Revision 27/11/17
Superceding issue of
23/09/15

AVAILABLE SIZE AND PART NUMBER

	18L	200L
Hyflow AW 10	6030-18	6030-200
Hyflow AW 15	6031-18	6031-200
Hyflow AW 22	6032-18	6032-200
Hyflow AW 32	6033-18	6033-200
Hyflow AW 46	6034-18	6034-200
Hyflow AW 68	6035-18	6035-200
Hyflow AW 100	6036-18	6036-200
Hyflow AW 150	6037-18	6037-200

HYFLOW AW

High Performance
Anti-Wear Hydraulic Oils



Revision 27/11/17
Superceding issue of
23/09/15