Hydris MX

Hydris MX performance plus anti-wear hydraulic oil is designed for hydraulic systems requiring high performance over a wide range of pressures. Provides excellent operating and maintenance benefits for improved productivity.

Hydraulic system technology relies on high quality oils performing the dual role of lubricating the system and providing fluid power transfer. Modern high pressure pump systems require anti-wear protection coupled with the prevention of rust, corrosion, varnish buildup, foaming and air entrainment.

Hydris MX is designed and tested to meet the demanding needs of most hydraulic applications. Hydris MX will maximize the benefits of advanced fluid technology to achieve the optimal operational performance.

Hydris MX meets or exceeds
DENNISON HF-0, HF-1, HF-2
VICKERS 35VQ25
EATON/VICKERS M2950-S, I286-S
CINCINNATI MACHINE P-68, P-69, P-70
FORD M6C32,
CHRYSLER, GENERAL MOTORS LS-2
US STEEL 136

Hydris MX: For use in high performance, heavy duty hydraulic systems recommending AW or RO hydraulic oil.

ALWAYS FOLLOW THE VISCOSITY RECOMMENDATION AS SPECIFIED BY THE OEM APPROPRIATE FOR THE ANTICIPATED AMBIENT OPERATING TEMPERATURE OF THE EQUIPMENT.

PART#:	ISO 22 AW	ISO 32 AW	ISO 46 AW	ISO 68 AW
	3430-2 (20 L Pail)	3418-2 (20 L Pail)	3421-2 (20 L Pail)	3424-2 (20 L Pail)
	3431-2 (205 L Drum)	3419-2 (205 L Drum)	3422-2 (205 L Drum)	3425-2 (205 L Drum)
	3432-2 (1000 L Tote)	3420-2 (1000 L Tote)	3423-2 (1000 L Tote)	3426-2 (1000 L Tote)

Hydris MX hydraulic oil is recommended for all high pressure hydraulic systems where vane, gear and piston pumps are found on industrial machinery and mobile equipment. Hydris MX is also recommended for use in fixed hydraulic systems where ambient operating temperatures are consistent.

For premium performance, improved energy efficiency and enhanced cold temperature performance use Hydris MX GOLD with HydraMaxx Technology.

For hydraulic systems in environmentally sensitive areas use Marinus Readily Biodegradeable Hydraulic Oil

ADDITIONAL KEY BENEFITS
- Anti-Wear formula for all vane, gear and piston pumps
- Rust and Corrosion protection
- Excellent anti-foam properties and air entrainment performance
- Superior hydrolytic stability and power transfer propensity
- Thermal stability and oxidation resistant
- Non conductive, safe for use in overhead electrical service equipment
- Suitable for ultra fine filtration
- Good water separation
- Highly versatile and compatible with pump designs and seal materials

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Hydris MX

PERFORMANCE PLUS ANTIWEAR HYDRAULIC OILS

Anti Wear Formula: Proven anti-wear additives are effective through a broad range of extreme conditions. Excellent performance under low and severe duty high load conditions.

Rust and Corrosion Protection: Inhibitors protect against adverse effects of moisture due to condensation build up in oils.

Hydrolytic Stability: Long fluid life and chemical stability ensures power transfer propensity working under extreme conditions.

Thermal Stability and Oxidation Resistance: Provides low acidity, low copper loss and is highly resistant to degradation and sludge formation, improving system reliability and cleanliness.

Water Separation: Resists the formation of water-in-oil emulsions and prevents consequent pump damage.

Air entrainment and foaming: Release agents prevent entrainment and ensures quick release of air without excessive foaming. Minimizes cavitation and slows oxidation.

Guidance on Health and Safety are available on the Material Safety Data Sheet
Hydris MX is compatible with all seal materials normally specified for use with mineral oils. Avoid spills and leakage by properly maintaining and inspecting hydraulic system components prior to use.

TYPICAL PROPERTIES	ASTM METHOD	22 AW	32 AW	46 AW	68AW
Color		L 1.0	L 1.0	L1.5	L 2.5
Specific Gravity @ 15.6°C		0.857	0.857	0.861	0.867
Kinematic Viscosity @ 40°C (cSt)	D 445	22.3	32	43.6	66.2
Kinematic Viscosity @ 100°C (cSt)	D 445	4.5	5.6	6.8	9
Viscosity Index	D 2270	111	115	113	111
Pour Point (°C)	D 97	-42	-36	-33	-33
Flash Point (°C)	D 92	210	230	242	246
Demulsibility	D 1401	Pass	Pass	Pass	Pass
Oxidation Stability (hrs)	D 943	>4000	>4000	>4000	>2500
Rust Prevention	D 665	Pass	Pass	Pass	Pass
Copper Corrosion	D 130	1 A	1 A	1A	1 A
Dielectric Breakdown Voltage (> 25 kV)	D 877	Pass (>35)	Pass (>35)	Pass (>35)	Pass (>35)
Dielectric Breakdown Voltage (> 15 kV)	D 1816	Pass (>23)	Pass (>23)	Pass (>23)	Pass (>23)

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