

# MAGNUM HYDRAULIC OIL ISO 32



MAGNUM ISO 32 Hydraulic Oil helps energy conserving in pump start-up mode while providing improved load protection to reduce wear during pump operation. The high viscosity index makes these products lighter and more energy efficient at room with high temperatures and high loads operating. The stabilized formula of MAGNUM provides a heavier, more protective, and full fluid film viscosity. MAGNUM Hydraulic oil provides the highest level of quality performance in a wide variety of transportation and stationary type equipment operating in broad ranges of environmental conditions and operating under severe conditions. It prevents rusting and corrosion. Recommended for use in hydraulic systems where low toxicity, high flashpoint, and biodegradability properties are required or desired.

## BEFITS

- Gain substantial performance enhancements in Hydraulic Power.
- Systems Cleaner servo valves, less chances for sticking.
- This hydraulic oil also has excellent water separation and anti-foaming properties in case water is getting into the circuit.
- Reduce overall impact and footprint on the environment.
- Offers outstanding rust and corrosion prevention and oxidation stability which increases equipment's life.
- Lower toxic exposures to workers.
- Superior filterability increases filter life.
- Multi-metal compatibility under wet and dry conditions.

## SPECIFICATION

Sperry Vickers, Demison HF-1, Lucas, AFNOR NFE 48-603, US Steel 127,136

## PERFORMANCE LEVEL

- DIN 51524 Part III HLVP

## QUALITY FEATURES

- Cleaner servo valves, less chances for sticking.
- Superior thermal stability, avoid the formation of sludge even at high temperatures.
- Superior filterability increases filter life.
- Multi-metal compatibility under wet and dry conditions.
- Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
- Excellent protection against rust and corrosion insuring maximum equipment life.
- Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

## APPLICATION OF USE

MAGNUM ISO 32 Hydraulic Oil is recommended for all mobile and stationary hydraulic systems operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants systems, compressors where recommended

## TYPICAL TECHNICAL PROPERTIES

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade	Visual	ISO 32
Appearance		Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.872
Kinematic Viscosity, cST		
AT 40 °C cst	ASTM D-445	32.5
AT 100 °C cst	ASTM D-445	6.5
Viscosity Index	ASTM D-2270	160
Demulsibility @ 54 °C	ASTM 1401	15
Flash Point, COC, °C	ASTM D-92	210
Pour Point, °C	ASTM D-97	-39
TAN, mg KOH/g	ASTM D-974	0.3

Note: All figures may vary slightly.



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