



FLUID DRIVE HM-32

OIL FOR HYDRAULIC TRANSMISSIONS

FLUID DRIVE HM-32 is intended for oleodynamic and oleocinetic circuits.

As a proper fluid for oleo hydraulic circuits, this product presents:

- A viscosity which meets the requirements of all system mechanisms (pumps, distributors, engines, etc.).
- A viscosity index which is high enough to be able to reduce the viscosity variations caused by temperature changes during the operation.
- Antiwear properties to protect the mechanic parts.
- A high oxidation and corrosion resistance as well as good demulsifying.
- Anti-foam properties: in case of close mixture air-oil, the separation is quick, and does not build foam on the oil surface.
- A low pour point.

PROPERTIES

FLUID DRIVE HM-32 provides all these properties. The base oils used present the following characteristics:

- Good oxidation resistance.
- Low pour point. Able to ensure a good fluidity at cold temperatures.
- A natural viscosity index which allows to sustain minimum viscosity variations in a wide temperature range.
- Outstanding filtrability.

These properties are improved by adding an anticorrosive, antioxidant, antiwear additive package, as well as pour point depressors and antifoaming additives.

PHYSICO CHEMICAL CHARACTERISTICS

Grade (ISO-3448)	32
Appearance	Amber fluid
Density at 15°C, (gr/ml)	0.862
Viscosity at 40°C, (cSt)	28.8 – 35.2
Viscosity at 100°C, (cSt)	5.5
Viscosity index (Min.)	105
Flash point (min), °C	180
Pour point (max), °C	-24
Copper corrosion 3h/100°C	1b max.
Aniline Point (min.)	95°C
Steel corrosion (Distilled water)	Pass
Desemulsion index (max.)	40 / 37 / 3 (30')

This is why **FLUID DRIVE HM** pass tests that evaluate the essential properties of hydraulic circuit fluids.

APPLICATIONS

FLUID DRIVE HM is formulated to meet the requirements of the most advanced high pressure systems, and the requirements of most of the oleodynamic circuits of the industry, Public Works, Mines etc.

The typical applications are:

- **Machine-tools**
- Hydraulic press and shears,
- Hydraulic lift trucks,
- Plastic injection machines,
- Public Works machinery, mines, and construction.
- Torque convertors and speed variators

REGULATIONS

FLUID DRIVE HM-32 meets the following standards:

ISO-11158	(HM category)
DIN-51524	(Part II HLP category)
Denison HF-1, HF-2, HF-0	
Cincinnati Milacron P-68, P-69, P-70	
Bosch Rexroth	
Eaton Vickers, I-286-S, M-2950-S	

PACKAGING

There are different capacities of supply. Contact our Export Department for any further enquiry.

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