



HIDRAULICO SC

INDUSTRY

Description

Top quality oils for hydraulic circuits. Paraffin based using “ashless” technology: they contain special ashless additives for those hydraulic systems with very fine tolerance servovalves and where excellent filterability to the hydraulic fluid is demanded.

Properties

- Great resistance to ageing and sludge formation
- High viscosity rate
- Excellent EP properties
- Great water separating capacity
- Great air elimination capacity
- Magnificent filterability
- Excellent antifoam properties
- Good antirust and anticorrosion power
- Compatible against joints and elastomers

Quality level

- DIN 51524/2 – HLP
- DENISON HF-0
- ISO 6743/4 – HM
- AFNOR NFE 48603 – HM
- CINCINNATI MILACRON P-68, P-69 and P-70

Technical characteristics

	UNIT	METHOD	VALUE	VALUE	VALUE
ISO VG Grade			32	46	68
Viscosity at 40°C	cSt	ASTM D 445	29.5	46	68
Viscosity at 100°C	cSt	ASTM D 445	5.1	6.6	8.7
Viscosity rate		ASTM D 2270	100	98	98
Flammability V/A	°C	ASTM D 92	200	220	240
Freezing point	°C	ASTM D 97	-15	-27	-24
Disemulsion at 54°C	min	ASTM D 1401	20	20	20
Corrosion at Cu	--	ASTM D 130	1	1	1
Rust, method A	--	ASTM D 665	Pass	Pass	Pass
TAN	mg KOH/g	ASTM D 974	0.4	0.4	0.4
Aeromulsion at 50°C	min	ASTM D 3427	2	3	6
Oxidation, TAN at 2000h	mg KOH/g	ASTM D 943	< 2	< 2	< 2
FZG, damage step	--	DIN 51583	11	11	11
4 ball machine, scar diameter	mm	ASTM D 4172	0.35	0.30	0.30
4 ball machine, wear load index	--	ASTM D 2783	28	34	35

Available in

ISO grade 32: Bulk and 185 kg drums.
ISO grades 46 and 68. Bulk, 875 kg containers and 185 kg drums.

■ Hazard identification

This product is not classified as toxic or hazardous under current legislation.

■ Handling

Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

■ Health and Safety Hazards

Inhalation: Given that it is not a particularly volatile product, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Seek medical advice.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash thoroughly with water.

General measures: Seek medical advice.

■ Fire-fighting measures

No special measures required.

Fire-extinguishing measures: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

■ Environmental precautions

Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Avoid material getting into water outlets.

Decontamination and cleaning: Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.