

LUBRICANTS FOR INDUSTRIAL USE

CEPSA HIDROSIC HLP

DESCRIPTION

Lubricant oil formulated with highly refined paraffinic base oils and selected additives, it is the latest ash-less generation which provides anti-wear properties and special characteristics to resist thermal and oxidant degradation, the production of "lacquer" in servo-valves and "sludge" in the various hydraulic actuators.

PRODUCT APPLICATIONS

- In hydraulic systems where hydraulic fluids are required that have anti-wear properties, particularly for high operating pressures and temperatures, such as applications in circuits containing servo-valves and micro-filters in automatic mechanisms etc.
- Because of its excellent anti-corrosive qualities, it is recommended in conventional hydraulic circuits with water contamination problems.
- Technology Zinc free additives (" Ashless ") provides a cleaning , filterability and extra wear protection , while making the product more sustainable with the environment.

PRODUCT PERFORMANCE

- Excellent demulsification power. Fast water separation.
- Good foam resistance. Fast air release.
- Excellent anti-wear properties.
- High hydrolytic stability against environmental or cooling circuit moisture contamination.
- High protection against corrosion and rust. Reduces maintenance costs.
- Excellent thermal and oxidation stability.
- Excellent results in filtrability tests (AFNOR and DENISON).
- Seal compatibility.

SPECIFICATIONS

- PARKER DENISON HF-0, HF-1, HF-2
- ISO 11158 HM
- ISO 6743-4 HM
- DIN 51524 Part 2 Class HLP
- FILTERABILITY AFNOR
- EATON Brochure 03-401-2012
- AFNOR NF-E 48-603 HM
- FIVES CINCINNATI P-68 (ISO 32), P-69 (ISO 68) and P-70 (ISO 46)

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA HIDROSIC HLP		
			32	46	68
ISO GRADE					
Density at 15°C	kg/l	ASTM D-4052	0,873	0,879	0,884
Flash Point V/A	°C	ASTM D-92	204	209	214
Pour point	°C	ASTM D-5950	-24	-24	-21
Viscosity at 40°C	cSt	ASTM D-445	32,1	46,9	67,2
Viscosity at 100°C	cSt	ASTM D-445	5,4	6,9	8,7
Viscosity Index	-	ASTM D-2270	104	102	101

HEALTH & SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.