

## LUBRICANTS FOR INDUSTRIAL USE

## CEPSA HIDROSTAR HVLP

### DESCRIPTION

A lubricant oil with a high viscosity index, formulated with special highly refined paraffin bases and selected additives from the very latest generation, which provide excellent anti-wear properties, together with special characteristics against thermal decomposition and oxidation.

It includes a high shear stable VI improver which permits to maintain the initial viscosity of the fluid throughout the entire service period.

### PRODUCT APPLICATIONS

- Especially recommended for demanding hydraulic circuits that require anti-wear type of hydraulic fluid with special anti-thermal and anti-oxidation properties.
- Specifically suitable for application in circuits which contain servo-valves, robotised circuits and numerical control equipment etc.
- In systems that are subject to wide temperature variations because of its high viscosity index and high shear stability.
- In hydrostatic systems with maximum pressure and temperature demands due to its universal character.

### PRODUCT PERFORMANCE

- Excellent demulsibility. Fast water separation.
- Good foam resistance. Fast de-aeration.
- Excellent anti-wear capability.
- High hydrolytic stability against contamination due to environmental moisture or from cooling circuits.
- High levels of protection against oxidation and corrosion.
- Excellent thermal stability and against oxidation.
- Excellent filtration results, both with and without moisture contamination.
- Excellent behaviour against seals and elastomers. Prevents leaks.

### SPECIFICATIONS

- DIN 51524 Parte 3 HVLP
- AFNOR NF-E 48-603 HV
- BOSCH-REXROTH 90220
- ISO 6743-4 HV
- FILTRABILIDAD ISO (Dry&Wet)
- EATON Brochure 03-401-2012
- ISO 11158 HV
- PARKER DENISON HF-0, HF-1, HF-2
- FIVES CINCINNATI P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)

### TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA HIDROSTAR HVLP		
			32	46	68
<b>ISO GRADE</b>					
Density at 15°C	kg/l	ASTM D-4052	0,872	0,879	0,884
Flash point V/A	°C	ASTM D-92	>200	>200	>200
Pour point	°C	ASTM D-5950	-48	-39	-36
Viscosity at 40°C	cSt	ASTM D-445	31,3	47,5	68,1
Viscosity at 100°C	cSt	ASTM D-445	6,3	8,4	10,9
Viscosity Index	-	ASTM D-2270	157	154	151

### 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.