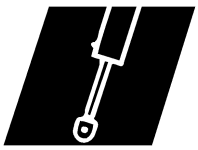
ASTROLIC ZS



Hydraulic oil

BEHTAM RAVANKAR

Very high performance anti-wear hydraulic oils.

APPLICATIONS

Hydraulic circuits

- Designed for use in all kind of hydraulic sytems running under the most difficult conditions, such as in machine tools, mould injection machines, presses and other industrial or mobile equipment.
- Also used in many other applications, where an universal high performance anti-wear lubricant is the first choice : low charged gears, sliding and roller bearings, air compressors, servo-motors and control systems equipped with fine filtration systems.

SPECIFICATIONS

Meets the requirements of

- AFNOR NF E 48-603 HM
- ISO 6743/4 HM
- DIN 51524 P2 HLP
- CINCINNATI MILACRON P68, P69, P70
- VICKERS M-2950S, -I-286
- DENISON HF0, HF1, HF2 (T6H20C)

ADVANTAGES

Long equipment life time

High operating reliability

- High protection against wear insuring maximum equipment life.
- Superior thermal stability avoiding formation of sludge even at high temperature.
- Very good oxidation stability ensuring a long service life of the fluid.
- Remarkable filterability even in the presence of water.
- Excellent hydrolytic stability avoiding filter blocking.
- Excellent protection against rust and corrosion.
- Good anti-foam and air release properties by using **silicon free** components.
- Good demulsibility ensuring rapid water separation
- Reduced maintenance and operating costs.

TYPICAL CHARACTERISTICS	METHODS	UNITS	ASTROLIC ZS				
			32	46	68	100	150
Appearance (visual)	Internal	-	Clear liquid				
Density at 15 °C	ASTM D 4052	kg/m^3	875	880	884	888	892
Viscosity at 40°C	ASTM D 445	mm^2/s	32	46	68	100	150
Viscosity at 100°C	ASTM D 445	mm^2/s	5.4	6.8	8.7	11.2	14.5
Viscosity index	ASTM D 2270	-	102	100	100	100	97
Cleveland flash point	ASTM D 92	°C	227	232	242	254	268
Pour point	ASTM D97	°C	- 27	- 27	- 21	- 18	- 18
Filterability 0.8 µ without water	NF E 48-690	Index (IF)	1	1.02	1.01	1.05	1.05
Filterability 0.8 µ with water	NF E 48-691	Index (IF)	1.5	1.5	1.5		

Above characteristics are mean values given as an information.