Application

TECHNOL LAPIS HD SERIES designed for use in all kind of hydraulic systems 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 antiwear lubricant is the first choice: low charged gears, sliding and roller bearings, air compressors, servo-motors and control systems equipped with fine filtration systems.

Properties

- 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
- Reducing maintenance and operating costs

Approvals

AFNOR: NF E 48-603 HM
DIN: 51524 P2 HLP
CINCINNATI: MILACRON P68, P69, P70

ISO: 6743/4 HM
VICKERS: M-2950S, -I-286
DENISON: HF0, HF1, HF2 (T6H20C)

Specifications

Specifications	Unit	Test method	Lapis HD Series							
			10	15	22	32	46	68	100	150
Density at 15°C	kg/m³	ISO 3675	846	856	866	875	880	884	888	892
Kinematic Viscosity at 40°C	mm²/s	ISO 3104	10	15	22	32	46	68	100	150
Kinematic Viscosity at 100°C	mm²/s	ISO 3104	2.6	3.5	4.4	5.4	6.8	8.7	11.2	14.5
Viscosity Index	-	ISO 2909	100	100	102	100	100	100	100	97
Pour Point	°C	ISO 3016	-33	-30	-30	-27	-27	-21	-18	-18
Flash Point	°C	ISO 2592	170	190	221	227	232	242	254	268
Filtration 0.8 mic. with water	Index (IF)	NE E 48 691	-	-	-	1.5	1.5	1.5	-	-
Filtration 0.8 mic. without water	Index (IF)	NF E 48 690	1	1	1	1	1.02	1.01	1.05	1.05
Appearance	-	Visual	Bright							

*The features mentioned above are average values obtained with some variability in production and do not constitute a specification