



Description

Hydraulic oils.

Applications

- + VISGA range have been especially developed in order to satisfy the wide variations in temperature encountered with modern hydraulic systems
- + VISGA range are particularly recommended for all high pressure and high speed, vane, piston and gear type hydraulic pumps, and for use in all hydraulic equipments operating in extreme temperature conditions, including:
 - Remote control systems
 - Hydraulic deck machinery
 - Steering gears

Typical Characteristics

	Methods	Units	15	22	32	46	68	100	150
ISO Grade			15	22	32	46	68	100	150
Density at 15°C	ISO 3675	kg/m ³	855	864	870	876	882	886	890
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	15.8	23	34	48	71	105	157
Kinematic viscosity at 100°C	ISO 3104	mm ² /s	3.9	5	6.6	8.4	11.3	15.2	20.3
Viscosity Index	ISO 2909		> 150	> 150	> 150	> 150	> 150	> 150	> 150
Pour Point	ISO 3016	°C	- 42	- 42	- 33	- 30	- 27	- 24	- 21
Shearing Stability ORBAHN BOSCH-250 cycles Viscosity decrease at 40°C	DIN51382		0	0	0	0	0	0	0

Characteristics of this chart are indicative typical values.

Auxiliary Mineral Lubricants

Approvals

These oils meet the specifications of the world's leading hydraulic equipment manufacturers NF E 48603 class HV, DIN 51 524 part 3 class HVLP, ISO 6743/4 class HV.

Features and Benefits

- + High viscosity index and excellent anti-wear properties.
- + Excellent stability against shearing.
- + Low pour point.
- + Very high resistance to oxidation.
- + Excellent anti-corrosion and anti-rust properties.
- + Excellent water and air release properties.
- + High resistance to foaming.
- + Compatibility with all seals.
- + Excellent resistance to hydrolysis.
- + Excellent filtrability under severe applications.

⚠ Handling, Health & Safety

Lubricants consisting of highly refined mineral oils with specific additives. In normal conditions of use, these lubricants present no particular toxic hazard. All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin. Prevent any risk of splashing, and keep away from combustible materials. Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available at: www.quickfds.com and www.totallubmarine.com