

Application

TECHNOL SAFIR SW SERIES offers a wide range of products for all parts of machine tools (hydraulics, slides, gears).

- Machine tool sled trail (degrees 68-320) at all speed and load conditions.
- Hydraulic circuits for hydraulic pumps and motors (degrees 32-46).
- All types of gearboxes and feeders with or without electromagnetic clutch (grade 68-320).
- Hydrodynamic lubrication of rolling machine shaft stands during grinding (VG 460).
- Particularly suitable for centralized lubrication systems.
- ISO VG 68–150 oils are also suitable for cold forging.

Properties

- Excellent Extreme Pressure properties
- High anti-scratch properties
- Strong tack rating (ISO VG 68-320)
- Very low friction coefficient
- Very strong foaming resistance
- High oxidation resistance
- Strong protection against corrosion
- Very strong anti-aging properties
- High filterability

Approvals

ISO 6743/4: HG32

ISO 6743/13: GA68; GA100; GA150; GA220.

DIN 51502: CGLP46; CGLP68; CGLP100; CGLP150; CGLP220; CGLP320; CGLP 460 CINCINNATI.

MACHINE: P65-P62-P47-P50-P53-P45.

Specifications

Specifications	Unit	Test method	SAFIR SW SERIES							
			32	46	68	100	150	220	320	460
Density at 15°C	kg/m ³	ASTM D4052	870	880	885	886	890	900	900	905
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	32	46	68	100	150	220	320	460
Viscosity Index	-	ASTM D2270	104	104	103	100	99	99	98	95
Flash Point	°C	ASTM D92	230	240	250	260	260	260	260	260
Pour Point	°C	ASTM D97	-21	-18	-15	-15	-15	-12	-9	-6
Temperature of Aniline	°C	ASTM D611	100	102	103	109	110	110	110	110