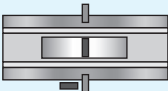


Product Specifications

Laboratory Data:

Viscosity		
Stabinger (ASTM D7042)	Temperature	ν (mm ² /s)
	0 °C [32 °F]	240
	20 °C [68 °F]	70
	40 °C [104 °F]	30
Viscosity-Index (ISO)		150
Viscosity-Temperature-Behaviour		good

Color	slightly yellow, clear
Permanent Low Temperature 72 hrs fluid	-30 °C [-22 °F]
Application Temperature	-25 °C to +80 °C [-13 °F to +176 °F]
Density 20 °C [68 °F] (DIN)	0.95 g/cm ³
Surface Tension	31 mN/m
Evaporation Rate 24 hrs/105 °C [221 °F]	0.1 % very low
Drop Stability	good
Durability	good
Corrosion Resistance	brass: very good steel: very good
Composition	synthetic oil on ester base with hydrocarbons

Comments:

Silber B is a synthetic watch and instrument oil based on esters and with a small amount of synthetic hydrocarbons. Its excellent pressure absorption capacity and the high surface tension ensure for-life lubrication of highly loaded sliding bearings. Suitable for high and low velocities. Low inner friction due to low viscosity. Compatibility tests are necessary if used with plastics!

P035f

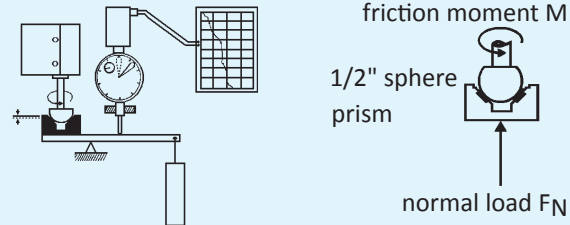
Silber B

Article No. TK2300

Watch and Instrument Oil

Tribological Data:

Test System: sphere on prism (ISO 7148/2)

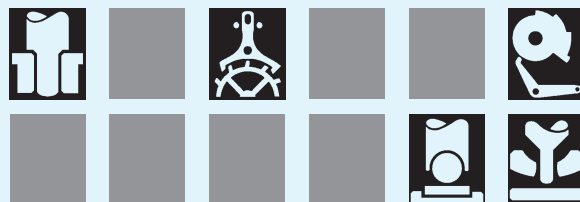


Friction Behaviour		friction coefficient f			
dependent on sliding speed		0.1	0.2	0.3	0.4
ν (mm/s)	f				
0	0.15	[Bar chart showing f values]			
20	0.14	[Bar chart showing f values]			
50	0.02	[Bar chart showing f values]			
200	0.01	[Bar chart showing f values]			
materials:		steel/brass, load 3 N, 25 °C [77 °F]			
lubricant:		Silber B			

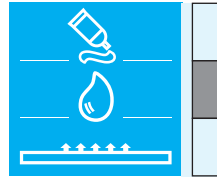
Wear Behaviour		wear (in mm)				
comparison: dry and lubricated with Silber B		0.01	0.03	0.1	0.3	1.0
materials						
St/brass: TK2300	dry	[Bar chart showing wear]				
St/steel: TK2300	dry	[Bar chart showing wear]				
test parameters:		load 30 N, distance 10 km, 25 °C [77 °F], $\nu=28.1$ mm/s				

Application:

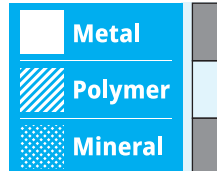
Lubrication of highly loaded, low or high-speed metal and jewel bearings up to pocket-watch calibers.



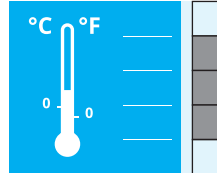
Product



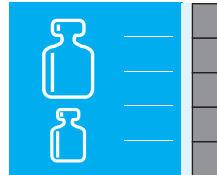
Bearing material



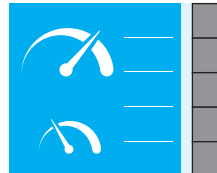
Application temperature



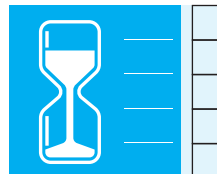
Bearing load



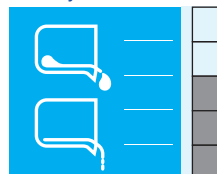
Sliding speed



Durability



Viscosity



Wetting

