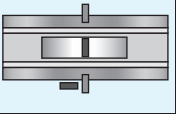


Product Specifications

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

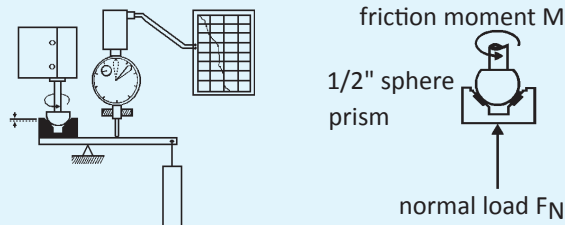
Comments:

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!

P035e

Tribological Data:

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

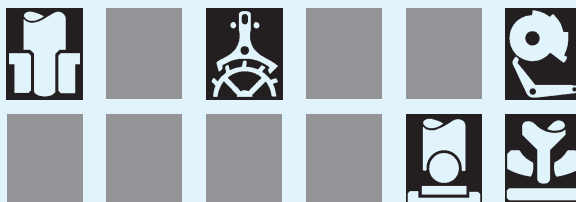


Friction Behaviour				
dependent on sliding speed				
ν (mm/s)	f	friction coefficient f		
		0.1	0.2	0.3
0	0.15	[Bar chart showing high friction]		
20	0.14	[Bar chart showing high friction]		
50	0.02	[Bar chart showing low friction]		
200	0.01	[Bar chart showing very low friction]		
materials:		steel/brass,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

Wear Behaviour					
comparison: dry and lubricated with Silber B					
materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/brass: TK2300	[Bar chart showing low wear]				
dry	[Bar chart showing high wear]				
St/steel: TK2300	[Bar chart showing low wear]				
dry	[Bar chart showing high 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.



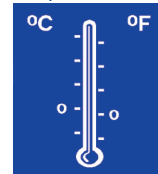
Product



Bearing material



Application temperature



Bearing load



Sliding speed



Durability



Viscosity



Wetting

