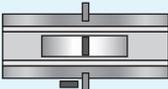


Product Specifications

Laboratory Data:

Viscosity		
Stabinger (ASTM D7042)	Temperature	ν (mm ² /s)
	0 °C [32 °F]	880
	20 °C [68 °F]	180
	40 °C [104 °F]	60
Viscosity-Index (ISO)		100
Viscosity-Temperature-Behaviour		good

Color	light yellow
Permanent Low Temperature 72 hrs fluid	-25 °C [-13 °F]
Application Temperature	-20 °C to +70 °C [-4 °F to +158 °F]
Density 20 °C [68 °F] (DIN)	0.89 g/cm ³
Surface Tension	32 mN/m ³
Evaporation Rate 24 hrs/105 °C [221 °F]	0.5 % low
Drop Stability	good
Durability	good
Corrosion Resistance	brass: very good steel: very good
Composition	natural and synthetic hydrocarbons with additives

Comments:

Partially synthetic precision oil with high ageing stability, corrosion resistance on base of various mineral oils and polyalphaolefines. The good film stability ensures a reliable lubrication in boundary and mixed friction area.

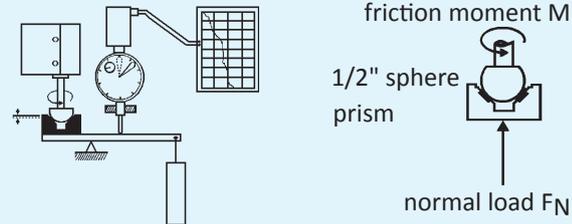
P350a

Church Clock Oil

Article No. TK1310
Partially Synthetic Precision Oil

Tribological Data:

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

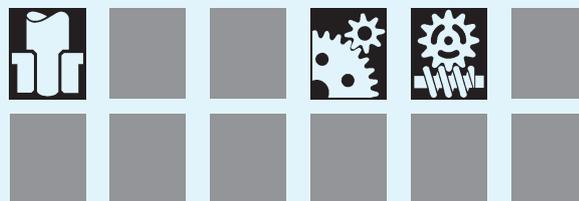


Friction Behaviour				
dependent on sliding speed				
ν (mm/s)	f	friction coefficient f		
		0.1	0.2	0.3
0	0.16	[Bar chart showing high friction]		
20	0.04	[Bar chart showing medium friction]		
50	0.02	[Bar chart showing low friction]		
200	0.03	[Bar chart showing low friction]		
materials:		steel/brass, load 3 N, 25 °C [77 °F]		
lubricant:		Church Clock Oil		

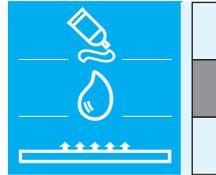
Wear Behaviour					
comparison: dry and lubricated with Church Clock Oil					
materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/brass: TK1310	[Bar chart showing wear]				
dry	[Bar chart showing high wear]				
St/steel: TK1310	[Bar chart showing wear]				
dry	[Bar chart showing high wear]				
test parameters:		load 30 N, distance 10 km, 25 °C [77 °F], $\nu=28.1$ mm/s			

Application:

For all metal/metal-precision bearings in church clocks.



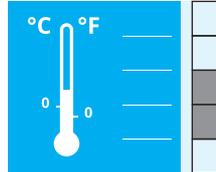
Product



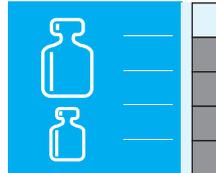
Bearing material



Application temperature



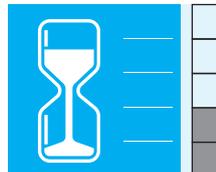
Bearing load



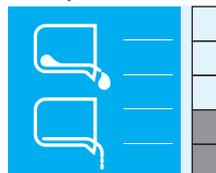
Sliding speed



Durability



Viscosity



Wetting

