

## **Product Specifications**

#### **Laboratory Data:**

Viscosity		
Stabinger (ASTM D7042)	Temperature	∨ (mm²/s)
	0 °C [32 °F]	600
	20 °C [68 °F]	140
	40 °C [104 °F]	50
Viscosity-Index (ISO)		110
Viscosity-Temperature-Behaviour		good

yellow Color -15 °C **Permanent Low Temperature** 72 hrs fluid [+5 °F]

**Application Temperature** -10 °C to +80 °C [+14 °F to +176 °F]

Density 20 °C [68 °F] (DIN) 0.91 g/cm<sup>3</sup> **Surface Tension** 31 mN/m **Evaporation Rate** 0.4 % 24 hrs/105 °C [221 °F] very low

**Drop Stability** good **Durability** good

**Corrosion Resistance** brass: very good steel: very good

**Compatibility with Plastics** on request

Composition partially synthetic oil

on base of esters and hydrocarbons with

additives

#### **Comments:**

Partially synthetic clock and instrument oil on base of different synthetic ester oils, natural hydrocarbons and polyalphaolefines. Type 3-5 is equipped with an additive package for high ageing and oxidation stability as well as corrosion resistance, which ensures its application in the field of horology.

The partially synthetic clock and instrument oil Type 3-5 replaces the ancient classical watch and instrument oils Type 3, 4 and 5.

#### P119c

#### Telefon: +49 (0) 7451 5386-0 info@tillwich-stehr.com www.tillwich-stehr.com

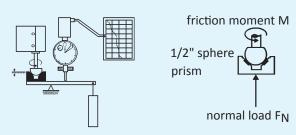
# **Type 3-5**

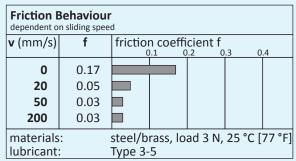
**Article No. TK2235** 

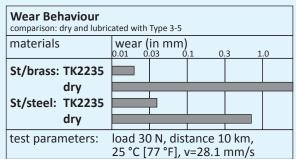
### **Partially Synthetic Clock and Instrument Oil**

#### **Tribological Data:**

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







Watch and instrument oil for metallic sliding

combinations in precision instruments. For springs

and pivot bearings from 1 to 5 mm diameter (0.04

to 0.20 inches) in alarm clocks, wall-clocks, domestic

**Application:** 

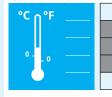
clocks or switch-clocks.

# **Product**

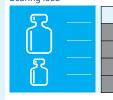
Bearing material



Application temperature



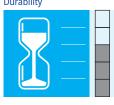
Bearing load



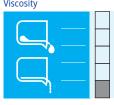
Sliding speed

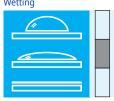


Durability



Viscosity





All information reflects our best knowledge. No responsibility is taken for printed data. Technical and chemical changes may occur without notice. We cannot be held liable for any use or application.