

Product Specifications

Laboratory Data:

Kinematic '	Viscosity (DIN)	
	Temperature	V (mm ² /s)
M ₁	0°C [32°F]	550
	20°C [68°F]	150
	40°C[104°F]	60
capillary viscometry	Viscosity Index (ISO)	150
Viscosity-Te	emperature-Behavior	good

Permanent Low Temperature -20 °C [-4°F] (72 hrs without crystallization)

-15°C to +100°C **Application Temperature** $[5^{\circ}F \text{ to } +212^{\circ}F]$

 0.98 g/cm^3 **Density** 20°C [68°F] (DIN)

Surface Tension 32 mN/m Color yellow **Evaporation Rate** -0.1 % (16 hrs/105°C [221°F]) very low **Drop Stability** good

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

Compatibility with Plastics

Comments:

compatible PA66, PBTP, POM

satisfactory POM (CL)

incompatible ABS, ASA, PC, PPO,

Clock 859 is a synthetic clock oil. Its stability against

aging is superb, even under most adverse conditions.

It is compatible with steel, brass and plastic materials.

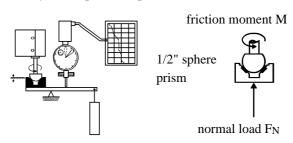
Special stabilizers protect the oil from negative

influences of pinion or free cutting steel. Friction values in steel/steel and brass/steel bearings are outstandingly low. Wear is reduced to a minimum.

Chemical Name Arylpolyalcanoate

Tribological Data:

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



Friction Behavior dependent on sliding speed									
v (mm/s)	f	friction coefficient f							
			0.1	0.2	0.3	0.4			
0	0.18								
20	0.02								
50	0.01								
200	0.01								
materials:	steel/brass, load 3N, 25°C [77°F]								
lubricant:	Clock	Clock 859							

	Behavior son: dry and lubr	icated v	with Cloc	ek 859		
materials		we:	ar (in n 0.03	nm) 0.1	0.3	1.0
St/bs:	Clock 859					
St/st:	dry Clock 859					
test par	rameters: lo			ance 1000 000 000 000 000		



Clock 859

Article No.: TS5100 Synthetic Clock Oil



Bearing material



Application temperature



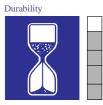
Bearing load



Sliding speed



Viscosity



Application:

For clock movements, counters, printers, alarm clocks, helical gear trains, measuring devices, precision gears, plotters, brass/steel bearings from 0.1 to 10 mm diameter (0.004 to 3/8 inches).







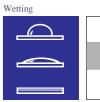












P094















