

# SYNT-HP1000 9103-FL

*Synthetic high pressure oil for precision mechanics*



## Description

In the range of 100% synthetic high pressure oils HP1000 is the third in the series. In addition to their pressure resistance properties these HP oils are extremely stable and have good lubricity and adhesion.

The added fluorescent tracer allows visualizing the presence of small quantities of oil under UV illumination. Lubricating properties are identical to the 9103 standard oil.



## Technical features (indicative values)

<b>Appearance</b>	Fluorescent light yellow
<b>Viscosity at 0°C</b>	4700 cSt
<b>Viscosity at 20°C</b>	1000 cSt
<b>Viscosity at 40°C</b>	302 cSt
<b>Pour point</b>	-30 °C
<b>Density at 20°C</b>	0.925 g/ml
<b>Refraction index at 20 °C</b>	1.476
<b>Acidity</b>	2.0 mg KOH / g

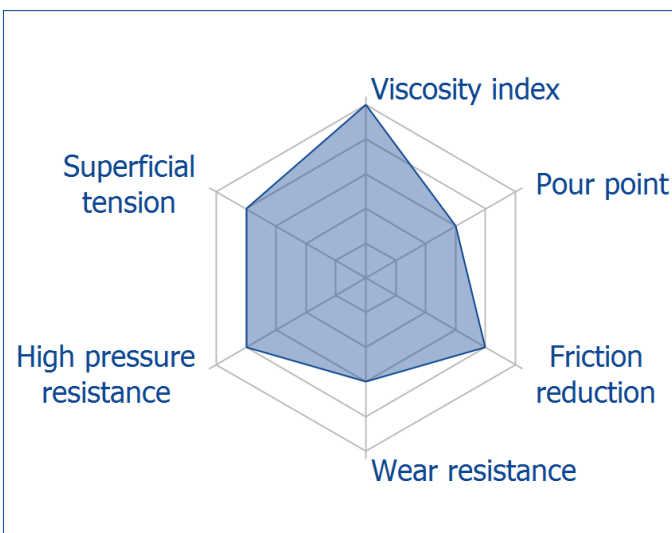
<b>Unctuousness / Lubricity</b>	
<b>Viscosity / Texture</b>	
<b>Ageing resistance / Stability</b>	
<b>Adhesion / Grip</b>	
<b>Compatibility</b>	Metals and polymers
<b>Application</b>	High pressure
<b>Shelf life</b>	3 years
<b>Temperature range</b>	-30 °C to +100 °C

## Application fields

### High pressure oil to be used for :

- Precision micromechanics (watch, timer, measuring devices, tools,...)
- Instrumentation and counters (automotive, aeronautic, naval,...)
- Micro motors and stepper motors
- General mechanics (office equipment, fans,...)
- Ball bearings, parts of mechanisms
- Lubrication of slow mobiles submitted to significant pressure and torque (gearing, certain wheels,...)

## Radar chart



## Storage

We advise keeping Moebius products in their original packaging in a clean and dry place, protected from light, ideally at a temperature of 15 to 26 °C.

After opening we recommend keeping the products for a maximum of 12 months.

