

# SYNT-A-LUBE 9014

Synthetic oil for high precision micromechanics



## Description

100% synthetic universal thin oil based on ether and aliphatic alcohol with excellent resistance to ageing and good resistance to pressure. Also very effective for use under wet conditions. With a very good lubricity and outstanding grip, this oil is ideal for regulating parts and fast mobiles.

Its viscosity is intermediate between 9030 and 9010 and the oil is suitable for low temperature applications. Suitable for all materials.



## Technical features (indicative values)

<b>Appearance</b>	Pale yellow
<b>Viscosity at 0°C</b>	400 cSt
<b>Viscosity at 20°C</b>	100 cSt
<b>Viscosity at 40°C</b>	36 cSt
<b>Pour point</b>	-45 °C
<b>Density at 20°C</b>	0,907 g/ml
<b>Refraction index at 20°C</b>	1.474
<b>Acidity</b>	2.3 mg KOH / g

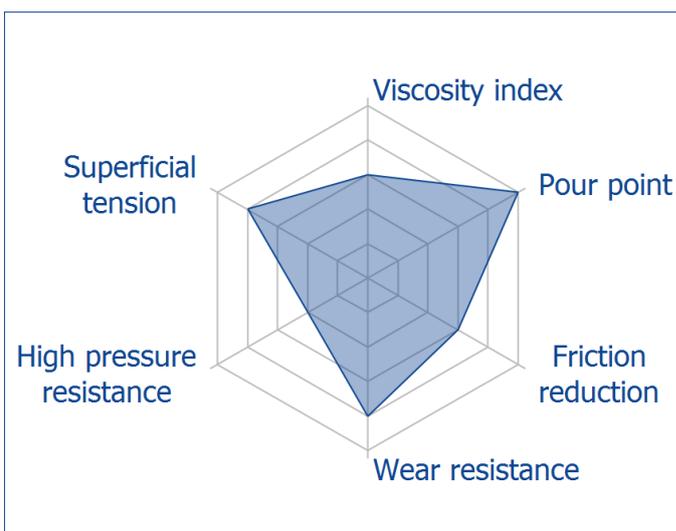
<b>Unctuousness / Lubricity</b>	
<b>Viscosity / Texture</b>	
<b>Ageing resistance / Stability</b>	
<b>Adhesion / Grip</b>	
<b>Compatibility</b>	Plastics and metals
<b>Application</b>	Low temperature
<b>Shelf life</b>	6 years
<b>Temperature range</b>	-35 °C to +70 °C

## Application fields

### Fine low-temperature oil to be used for :

- Precision micromechanics (watch, timer, measuring devices, tools, ...)
- Instrumentation and counters (automotive, aeronautic, naval,...)
- Micro motors and stepper motors
- Cameras and optical instruments
- General mechanics (office equipment, fans,...)
- Lubrication of fast mobiles with low torque (pendulum pivots, escapements, 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.



# SYNT-HP1300 9104-SC

*Synthetic high pressure oil for precision mechanics*



## Description

In the range of 100% synthetic high pressure oils, HP1300 is the most viscous and last in the series. In addition to their pressure resistance properties these HP oils are extremely stable and have good lubricity and adhesion. The friction coefficient is insensitive to wet conditions and the oil is suitable for all types of materials.



## Technical features (indicative values)

<b>Appearance</b>	Light yellow
<b>Viscosity at 0°C</b>	5900 cSt
<b>Viscosity at 20°C</b>	1250 cSt
<b>Viscosity at 40°C</b>	380 cSt
<b>Pour point</b>	-30 °C
<b>Density at 20°C</b>	0.925 g/ml
<b>Refraction index at 20 °C</b>	1.477
<b>Acidity</b>	2.0 mg KOH / g

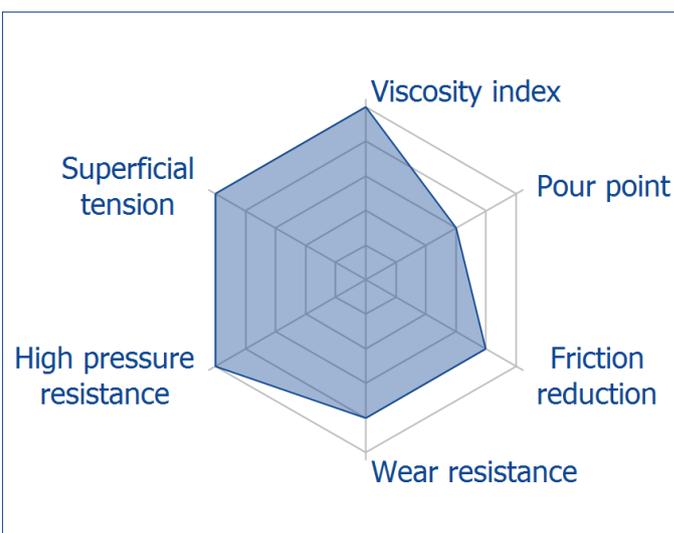
<b>Unctuousness / Lubricity</b>	
<b>Viscosity / Texture</b>	
<b>Ageing resistance / Stability</b>	
<b>Adhesion / Grip</b>	
<b>Compatibility</b>	Metals and polymers
<b>Application</b>	High pressure
<b>Shelf life</b>	6 years
<b>Temperature range</b>	-25 °C to +100 °C

## 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.



# SYNTHETIC GREASE 9501-SC

Synthetic grease for high precision micromechanics



## Description

100% synthetic soft grease, slightly thixotropic, developed to resolve friction problems (time setting) and other frictions between steels.

The base is a mixture of synthetic oils of high stability, acquiring the necessary consistency of a grease by adding an Aerosil. Suitable for medium loads for a wide range of applications.



## Technical features (indicative values)

<b>Appearance</b>	Light yellow
<b>Penetration</b>	400 1/10 mm
<b>Drop point</b>	Non-fusing
<b>Base oil</b>	Synthetic
<b>Viscosity at 20°C</b>	176 cSt
<b>Refraction index at 20 °C</b>	1.463
<b>Pour point</b>	-38 °C
<b>Acidity</b>	0.5 mg KOH / g

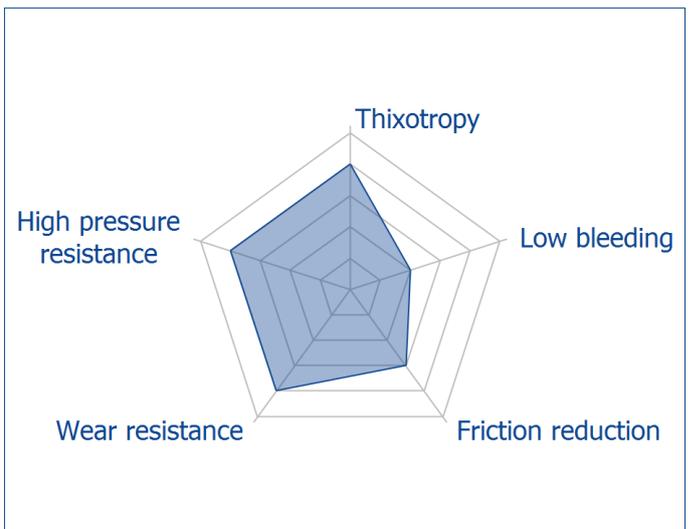
<b>Unctuousness / Lubricity</b>	
<b>Viscosity / Texture</b>	
<b>Ageing resistance / Stability</b>	
<b>Adhesion / Grip</b>	
<b>Compatibility</b>	Metals and certain polymers
<b>Application</b>	Universal
<b>Shelf life</b>	6 years
<b>Temperature range</b>	-30 °C to +80 °C

## Application fields

### Fluid synthetic grease to be used for :

- Precision micromechanics (watch, timer, measuring devices, tools,...)
- Instrumentation and counters (automotive, aeronautic, naval,...)
- General mechanics (office equipment, fans,...)
- Lubrication of slow mobiles submitted to significant pressure and torque (gearing, certain wheels,...)
- High friction systems submitted to moderate pressure and high torque (time setting, winding, calendar and chronograph mechanism,..)

## 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.



# CLASSIC GREASE 8302

*Classic grease for micromechanics*



## Description

Hard, slightly thixotropic grease, which can be used molten. Vegetable oils, as well as molybdenum disulfide graphite (MoS<sub>2</sub>) as a solid additive, provide very good lubricating properties and a good resistance to pressure. With its excellent grip, this grease is recommended for applications subject to heavy pressure.



## Technical features (indicative values)

<b>Appearance</b>	Grey-black
<b>Penetration</b>	210 1/10 mm
<b>Drop point</b>	46 °C
<b>Viscosity at 40°C</b>	Solid
<b>Viscosity at 80°C</b>	14 cSt
<b>Acidity</b>	1.0 mg KOH / g

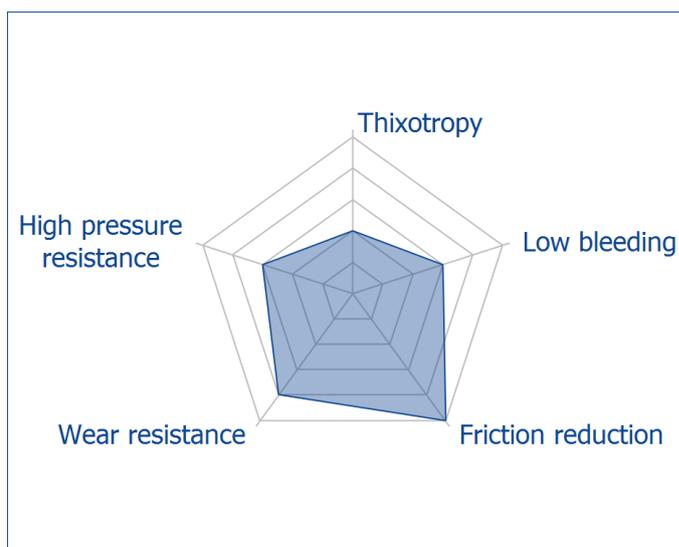
<b>Unctuousness / Lubricity</b>	
<b>Viscosity / Texture</b>	
<b>Ageing resistance / Stability</b>	
<b>Adhesion / Grip</b>	
<b>Compatibility</b>	Metals and certain polymers
<b>Application</b>	High pressure
<b>Shelf life</b>	3 years
<b>Temperature range</b>	-40 °C to +80 °C

## Application fields

### High pressure classic grease to be used for :

- Precision micromechanics (watch, timer, measuring device , tools, ...)
- Instrumentation and counters (automotive, aeronautic, naval,...)
- General mechanics (office equipment, fans,...)
- Ball bearings, parts of mechanisms
- Lubrication of slow mobiles submitted to significant pressure and torque (gearing, certain wheels,...)
- High friction systems submitted to moderate to high pressure (time setting, winding, calendar and chronograph mechanism,..)

## 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.



# CLASSIC GREASE 8212-SC

Classic grease for micromechanics



## Description

Soft lubricant (Glissalube B) with red color. The vegetable oils used as an additive give it a good lubricating power. Developed for the lubrication of barrel drums, it provides moderate braking.

Especially recommended for aluminum barrel walls.



## Technical features (indicative values)

<b>Appearance</b>	Beige
<b>Penetration</b>	185 1/10 mm
<b>Drop point</b>	102 °C
<b>Base oil</b>	Mineral
<b>Viscosity at 20°C</b>	200 cSt
<b>Refraction index at 20 °C</b>	1.477
<b>Pour point</b>	-10 °C
<b>Acidity</b>	0.5 mg KOH / g

### Unctuousness / Lubricity



### Viscosity / Texture



### Ageing resistance / Stability



### Adhesion / Grip



**Compatibility** Metals and et certain polymers

**Application** Barrel wall

**Shelf life** 3 years

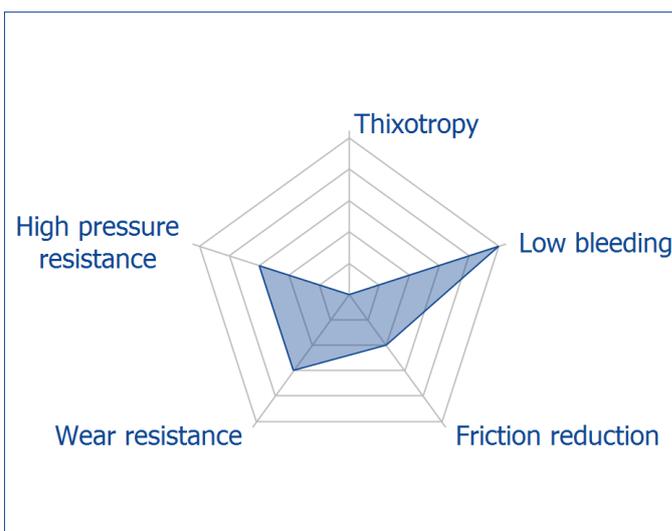
**Temperature range** -40 °C to +80 °C

## Application fields

### Classic grease to be used for :

- Precision micromechanics (watch, timer, measuring device , tools, ...)
- Instrumentation and counters (automotive, aeronautic, naval,...)
- Micro motors and stepper motors
- General mechanics (office equipment, fans,...)
- Ball bearings, parts of mechanisms
- Lubrication of the barrel wall

## 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.

