



*World class
equipment
deserves world
class lubrication*

Greenlube greases

Optimal greasing for the best protection

Groeneveld has exactly the right type of grease for every application and every system. This is your guarantee for trouble-free operation of your system and perfect lubrication of your machines, vehicles or plants.

The use of the right type of high-quality grease boosts the positive effect of a Groeneveld automatic greasing system to a maximum. Oil and metal soap are the main ingredients of lubricating greases. The oil particles that give the grease their lubricating properties are kept together by the metal soap (also called thickener or 'soap skeleton'). Furthermore, greases contain additives to fight for example corrosion and oxidation.

Good quality grease performs the following crucial functions

- It prevents metal-to-metal contact between the greased components
- It forms a protective film around the greasing point and thus prevents the intrusion of polluting elements and moisture
- It protects against corrosion

When using the Greenlube grease in combination with a Groeneveld automatic lubrication system, Groeneveld will provide a three year warranty.



GROENEVELD LUBRICATION SOLUTIONS
A DIVISION OF GROENEVELD INTERNATIONAL



When is grease considered suitable?

Greases used in automatic greasing systems must meet several important requirements, such as:

- The grease must be highly homogenous. Oil and soap should not separate, not even under high pressure or when they have been in the system for a prolonged period of time
- The grease is often pumped over substantial distances through thin tubes, where it is subject to significant alterations in temperature. Nevertheless, it must remain easy to pump at all times
- The grease must have good 'lubricating properties' and prevent metal-to-metal contact even in the severest conditions. Also, it must be able to create protective films and provide sufficient protection against corrosion

GreenLube greases: proven quality

Groeneveld had several grease types developed for use in its automatic greasing systems. The balanced formula of the components give Greenlube a number of unique properties:

- Easy to pump, even at low temperatures
- Highly water-resistant
- Keeps its properties in the severest conditions
- Provides good protection against corrosion
- Does not contain heavy metals

Selecting the right grease

Naturally, it is essential that you select the right grease for your application. The choice is determined by the intended use, the operational temperature, ambient factors, the severity of the conditions of use and nature (constant or constantly changing). Groeneveld can advise you on which grease will provide the best results when used in combination with the greasing system that you have selected.

Technical specifications

	GreenLube EP-0 High Performance	GreenLube FM-0 Food	GreenLube ZW-0 Endurance	GreenLube HT-OT-0 High temperature Endurance +	GreenLube EP-2 Heavy Duty	GreenLube Hammer
NLGI classification	0	0	0	0	2	1,5
Thickener type	Lithium	Anhydrous Calcium	Lithium calcium	Alassca complex	Lithium	Lithium
Colour	Green	White	Brown	Dark brown	Brown	Copper
Base oil	Mineral oil	Synthetic oil	Mineral oil	Mineral oil	Mineral oil	Mineral oil
Base oil viscosity at ISO12058 40°C / 104°F 100°C / 212°F	200 mm ² /s 15 mm ² /s	610 mm ² /s 73 mm ² /s	465 mm ² /s 27 mm ² /s	800 mm ² /s 43 mm ² /s	280 mm ² /s 20 mm ² /s	140 mm ² /s 10 mm ² /s
<i>Mechanical stability</i> Penetration 60 strokes ISO2137 100.000 strokes	355-385 mm/10 +3,0 mm/10	355-385 mm/10	335-385 mm/10 +40 mm/10	355-385 mm/10 +30 mm/10	265-295 mm/10 +35 mm/10	290-320 mm/10
Dropping point IP396	> 170°C / 338°F	> 130°C / 266°F	> 180°C / 356°F	> 260°C / 500°F	> 180°C / 356°F	> 180°C / 356°F
Temperature range	-30°C to 110°C -22°F to 230°F	-35°C to 90°C -31°F to 194°F	-20°C to 120°C -4°F to 248°F	-30°C to 140°C -31°F to 284°F	-25°C to 130°C -13°F to 266°F	-30°C to 110°C -31°F to 230°F
<i>Corrosion protection ISO11007</i> SKF Emcor distilled water SKF Emcor salt water	0-0 2-2	2-2	2-2	0-0 2-2	0-0 2-2	
Four ball weld load DIN51350	3400 N 345 kg	2000 N 204 kg	3200 N 325 kg	7500 N 764 kg	2600 N 265 kg	2400 N 244 kg
Application area	Automotive and industrial	Food industry	Heavy duty vehicles	Heavy loaded equipment and open gears	Automotive and industrial	Onshore rock drilling