

Defence

INTERFLON





INTERFLON MAKES LUBRICANTS

Which companies use to solve problems and save money.

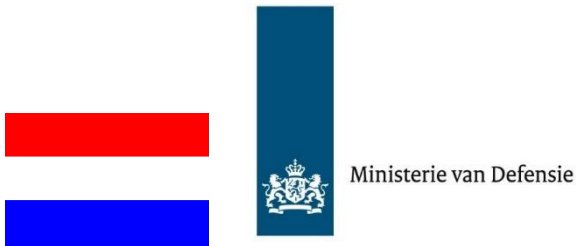
Interflon is active worldwide reducing maintenance costs and energy consumption through the use of lubricants that reduce friction much more effectively than regular petrochemical lubricants.

As a result, Interflon has large-scale and in-depth knowledge of lubrication and is able to reduce maintenance costs, achieve energy savings and offer a solution for almost every lubrication problem in almost every industrial sector.

This is why our customers use Interflon:

- Fewer breakdowns as a result of insufficient lubrication.
- Lower maintenance costs due to less frequent lubrication and a lower consumption of lubricants.
- Lower operating temperatures, in particular in gearboxes.
- Less wear of parts
- Reduced energy consumption.
- Less waste lubricant.





| | NATO Stock Numbers NSN | SAP Number |
|--------------------------------------|------------------------|-------------|
| Interflon Fin Super aerosol | 9150-17-110-3048 | 10000014795 |
| Interflon Lube TF 1 litre | 9150-17-110-8959 | 10000339898 |
| Interflon Lube PN32 10 litres | 9150-17-117-4074 | 10000993787 |
| Interflon Fin Grease aerosol | 9150-17-105-8035 | 10000018846 |
| Interflon Grease LS2 20 litres | 9150-17-125-0878 | 10001661507 |
| Interflon Grease LS2 60 litres | 9150-17-056-7049 | 10000136883 |
| Interflon Grease OG aerosol | 9150-17-112-4744 | 1000002249 |
| Interflon Grease HTG 400 ml | 9150-17-117-8598 | 10000994319 |
| Interflon Grease MP2/3 400 ml | 9150-17-116-8737 | 10000274030 |
| Interflon Pasta H1200 500 grams | 9150-17-120-4352 | 10000016544 |
| Interflon Degreaser EM30+ aerosol | 6850-17-121-8961 | 10000992111 |
| Interflon Degreaser EM56+ 10 litres | 6850-17-116-8736 | 10000988633 |
| Interflon Degreaser EM56+ 200 litres | 6850-17-103-9626 | 10000220261 |
| Interflon Power Wipes | 8520-17-108-9478 | 10000004601 |
| Interflon Film WB 10 litres | 8030-17-126-4362 | 8365:H0C95 |
| Interflon Fin Clean All | 7930-17-118-2261 | |
| Interflon Grease MP1 | 9150-17-123-9224 | |
| Interflon Assembly Grease | 9150-17-120-9733 | |
| Interflon Lube TF Spray | 9150-17-121-0293 | |

No cost savings have been mentioned for the stated application.

Parts used by the Dutch Ministry of Defence must work without any problems. Interflon lubricants are able to guarantee that, because they perform well under the most extreme conditions.

The Results text box states what the responsible people think of the Interflon lubricants.



Release: Granting of the NATO (N/CAGE) code.

INTERFLON ITALIA S.r.l. has been granted NATO approval for the delivery of products and services to NATO bases and military units in Italy.

Code: **AE 400.**



Bundeswehr

Release: The logistics department of the Bundeswehr has granted Interflon a manufacturer code. This manufacturer code is **C6591.**

When the Interflon products become part of the logistics process within the army's administration, they are registered and saved under this code together with the properties of the parts, and reference is made to the maintenance numbers issued by the Bundeswehr.



Supplier code for France (NSN) NATO Code FAJV7



Interflon (Fin) Lube TF aerosol
ÖBH product number H0C95-8238

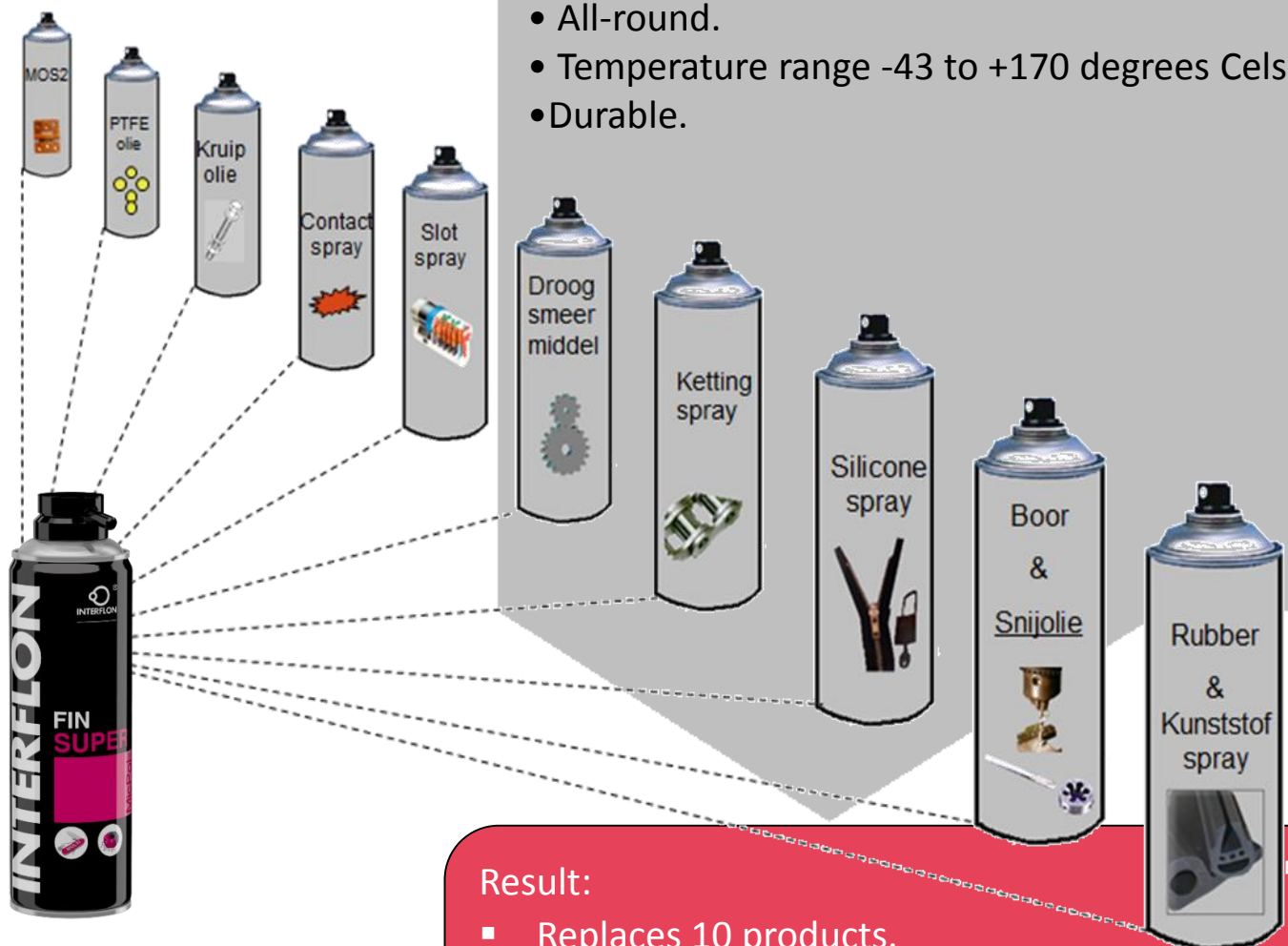
Application: All-round maintenance product

Interflon Fin Super has been used by the Ministry of Defence since the nineteen nineties. The objective was to prevent having a multitude of aerosols.

Fin Super has replaced 17 other products. Interflon Fin Super is still used as an all-round lubricant.

Interflon Fin Super

- Aerosols that can be used in any position.
- Environmentally-friendly propellant.
- Extremely economical.
- Colourless/leaves no stains.
- Removes rust and loosens seized parts.
- Cleans and protects against corrosion.
- Dry lubrication.
- Does not erode rubber or plastic.
- Able to survive a fall.
- The aerosol cans can be completely emptied.
- All-round.
- Temperature range -43 to +170 degrees Celsius.
- Durable.



Result:

- Replaces 10 products.
- Dry, clean lubrication.
- Cost savings as a result of reduced consumption.
- Lubrication lasts 10 times longer.

Application: Fin Super example applications

Application: DAF Trucks:
general **Interflon Fin Super**
applications



Twistlock



Hinge/steering mechanism



Turbo valve



Hinge

Result:

- Replaces 10 products.
- Dry, clean lubrication.
- Cost savings as a result of reduced consumption.
- Lubrication lasts 10 times longer.

Application: Fin Super example applications

| Vrachtauto 40 kN DAF Y-4442 | | | | | | deel: B | blad: 2 | |
|-----------------------------|---|---------------|---|---|---|-------------------------------|-----------|-------------|
| nr | onderwerp | interval jaar | | | | aanwijzing | bevinding | opmerkingen |
| | | 1 | 2 | 3 | 4 | | | |
| j | smeren / invetten: | | | | | | | |
| | aluminium stekkerdozen | r | r | r | r | inwendig | ✓ | |
| | as koppelingspedaal | s | s | s | s | spaarzaam | ✓ | |
| | as rempedaal | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | draaipunt stuurarm ruitenwischer | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | fuseelagers (boven en onder) | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | gewricht schakelstang | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | gaffelpennen rembekrachtiger | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | hefclinder cabine | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | kontaktdozen volgwagen | r | r | r | r | uitwendig | ✓ | |
| | colonnevolglicht | s | s | s | s | | ✓ | |
| | koppelkontaktdoos radio in cabine / laadbak | r | r | r | r | | ✓ | |
| | - schroefdraadhuis / deksel | s | s | s | s | | ✓ | |
| | kruiskoppelingen tussenas | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | kruiskoppelig stuuras | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | naaldlagers aandrijf-as | | | | | Fin Grease MP2/3 | ✓ | |
| | homokineet | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | reservewieldrager | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | S-nokassen (voor) | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | S-nokassen (achter) | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | scharnieren portieren | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | scharnieren cabine | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | scharnieren kisten / kasten | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | scharnieren takkenrek | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | scharnierpunten spiegels | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | stoelsleden | s | s | s | s | Interflon/ Finsuper+Teflon | ✓ | |
| | stuuras koppeling | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | trekhaak | s | s | s | s | Fin Grease MP2/3 | ✓ | |
| | veerpennen (achter) | s | s | s | s | Fin Grease MP2/3 Onbelast | ✓ | |
| | veerpennen (voor) | s | s | s | s | Fin Grease MP2/3 Onbelast | ✓ | |
| | veerschommels (achter) | s | s | s | s | Fin Grease MP2/3 Onbelast | ✓ | |
| | veerschommels (voor) | s | s | s | s | Fin Grease MP2/3 Onbelast | ✓ | |
| | wielagervet | | v | | v | Fin Grease (of bij 20.000 km) | ✓ | |
| 6 | CONTROLLEREN / AFSTELLEN | | | | | | | |

Described in the maintenance manual

Result:

- Replaces 10 products.
- Dry, clean lubrication.
- Cost savings as a result of reduced consumption
- Lubrication lasts 10 times longer.

Application: Ring gun mount



Problem

Dust sticks to the current grease, so that the ring cannot rotate correctly and may even get stuck.

Environment

Dust, water, moisture and soil.

Current product

Standard grease used by the Ministry of Defence

Solution

Interflon Fin Super



Result

- Clean lubrication.
- No dripping at high temperatures.
- Rotates smoothly.
- No more seized parts.

Application: Airmobile Special Vehicle (LSV)



There are 3 types of vehicle:

- general service, for example for transporting communication devices and ammunition;
- transportation of casualties.
- antitank, for transporting antitank weapons and ammunition.

Problem

The accelerator cable gets stuck because it is attached under the vehicle in a bend. Moisture collects in this bend, which causes the formation of rust or the cable to freeze in winter.

To release the accelerator pedal, drivers had to put their foot under it to push it up.

A second problem is the stiff stretcher guide rails. The stretcher does not move smoothly, so the patient is shaken about.

Environment

Damp, wet, cold and hot.

Current product

None

Solution: Interflon Fin Super

Result:

- Accelerator cable functions correctly.
- No hazardous situations.
- Stretcher runs smoothly in and out.
- Can also be used for locks and hinges.



Application: Lubrication and conservation of steel cables



Cables on the DAF 2300 YGZ



Tail lift steel cable

Problem:

During salvage operations, the cable runs over the ground. Soil and dirt stick to the cable because of the wet lubricant. As the contamination is drawn into the cable drum, the cabin becomes dirty.

The test was performed in cooperation with the Dutch Army, Air Force and Navy.

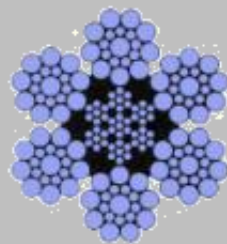
The test location was the naval base in Den Helder.



Interflon Lube TF



Winch



Result

- Penetrates right to the core.
- Corrosion protection.
- No build-up of dust.
- Water-repellent.
- High load-bearing capacity.

Application: Lubrication and conservation of steel cables.

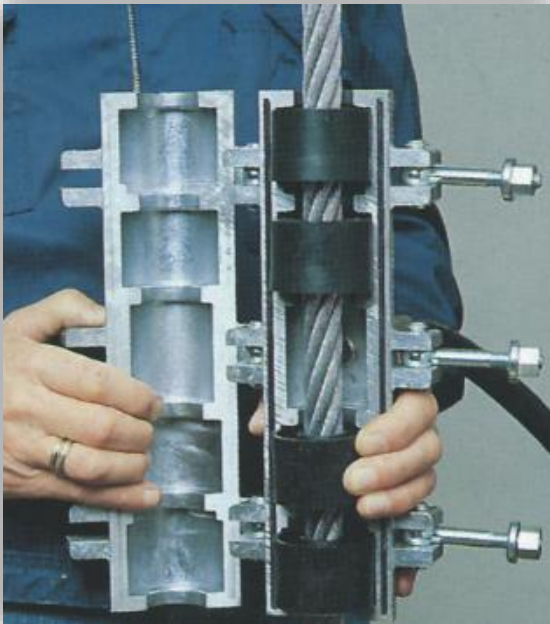
Overall conclusion on site

- The cables are less greasy.
- The cables need lubricating less frequently than with Bel Ray Wire Lube and less lubricant is required.
*Lubrication frequency - **Interflon**: every 3 months; Bel Ray Wire Lube: at least once a month.*
- The core of the steel cable does not expand, is cleaner and does not get saturated with oil. As a result of this, the steel cable wears a lot less.
- The deck under the steel cables is clean because the product does not leak out of the cable, not even when the relative humidity is high and the temperature is constantly at or above 40 degrees Celsius.

Interflon Grease LS 2
Interflon Grease LS1/2
Interflon Grease LS 2

Result

- Penetrates right to the core.
- Corrosion protection.
- No build-up of dust.
- Water-repellent.
- High load-bearing capacity.



Application: Leopard door/hatch rubbers



Problem

The rubber is pulled off because it gets stuck to the bodywork.

The same problem occurs in winter as the rubber freezes to the bodywork.

Environment

Hot, cold and damp.

Current product

None

Solution: **Interflon Fin Super**

Apply a thin layer of Interflon Fin Super to the rubbers.

This is done for all the vehicles and mainly for missions in wintry conditions.



Result:

- Hatches/doors are easy to open.
- No damage to rubbers.
- No replacement needed.

Application: Leopard tow bar and locking pins



Tow bar problem:

The mechanism no longer works optimally because of the build-up of dirt and it is necessary to use a 5 kg sledge hammer to open it. The current grease is also not able to bear the load.

Locking pin problem:

The locking pins can no longer be operated by hand because of the build-up of dirt and soil. The locking pin makes it possible to adjust the support plate.



Solution:

Interflon Grease OG

NSN 9150-17-112-4744



Test location:

The result is easy disassembly and adjustment. The grease meets the user's requirements.

Application: DAF YBZ 3300 crane truck



Problem

A- Corrosion

A- Build-up of dirt on the electrical connections

A- Build-up of dirt on the cables, resulting in wear.

B- Extendible sections do not run smoothly.

B- Masts rust because the current grease saponifies.

Environment

All imaginable difficult conditions.

Current product

Various maintenance products

Solution:

A- **Interflon Fin Super**

B- **Interflon Grease OG (aerosol)**

A applications: Cables (hoist and winch) and various electrical connections, hinges, fasteners, pins, cables and sensors.

Result A

Interflon Fin Super gives very good results. Cables are lubricated and protected against corrosion, and there is no build-up of dirt.

Result B

Smoothly moving sections/feet and mast. Nice, transparent lubricating film which protects against rust.

Application: DAF YA-4442



The DAF YA-4442, also known as 'the 4-tonner', is a medium-heavy military lorry with a cargo bed. The vehicle has a loading capacity of 4,000 kg and has been specially produced for the Dutch military. There are various versions which differ in rear body structure and the accompanying accessories.

Uses

Door locks, door catches, door hinges and mirror brackets.

Problems

- Corrosion.
- Galling of parts.
- Doors and locks are difficult to open.

Solution:

Interflon Fin Grease aerosol

NSN 9150-17-105-8035

See page 6 for photographs of the applications.

Results:

Interflon Fin Grease gives very good results.

Problems such as corrosion, galling of materials, and locks and doors being difficult to open are a thing of the past.

Application: DAF 2300 YGZ – Bridge elements



Applications:

Heavy pin-bush couplings. Masts and supporting struts.

Problem:

The current grease saponifies and many hours of work are needed for disassembly, lubrication and reassembly.

Solution: **Interflon Fin Grease OG**

Result:

Grease OG is waterproof and does not saponify. Inject the large hinge points on both sides liberally so that it penetrates right to the core of the pin.

Result with OG:

- Adheres excellently to metal.
- Extremely suited to slow movement with very heavy loads.
- Very high resistance to water.
- Highly suitable for shock loads and vibrations.
- Offers excellent protection against corrosion.

Application: DAF YWZ-2300



Applications:

Door hinges, clevis pins, rollers and CHU racks.

Problems with the applications listed above were:

- Corrosion.
- Galling of parts.
- Seizing of parts.

Environment

All imaginable difficult conditions.

Current product

Various maintenance products.

Solution:

Interflon Fin Super

Interflon Fin Super gives very good results. Problems such as corrosion, galling of materials and the build-up of dirt are a thing of the past.

Result:

- Operational reliability.
- A product for a large number of applications.
- No mistakes possible.

Application: DAF trucks spring pins



Worn pins/bushes

Problem

Wear because the grease in the bush is pushed out of the way. It is difficult to relubricate because of the load (even when unloaded). The current grease is not able to withstand the load and is pushed out of the way.

| | |
|---|--------|
| 1x bush | €3.39 |
| 2x bushes | €2.59 |
| 3 x pins | €11.97 |
| Total per set: €44.48 per set excluding VAT, disassembly and assembly | |

Environment

Load, dust and moisture.

Previous product: Standard Mobil grease

Solution

Interflon Grease MP2/3



Result:

- Much less wear.
- The service life of pins/bushes has become 3-5 times longer.
- Grease is no longer pushed out of the way and is resistant to moisture.

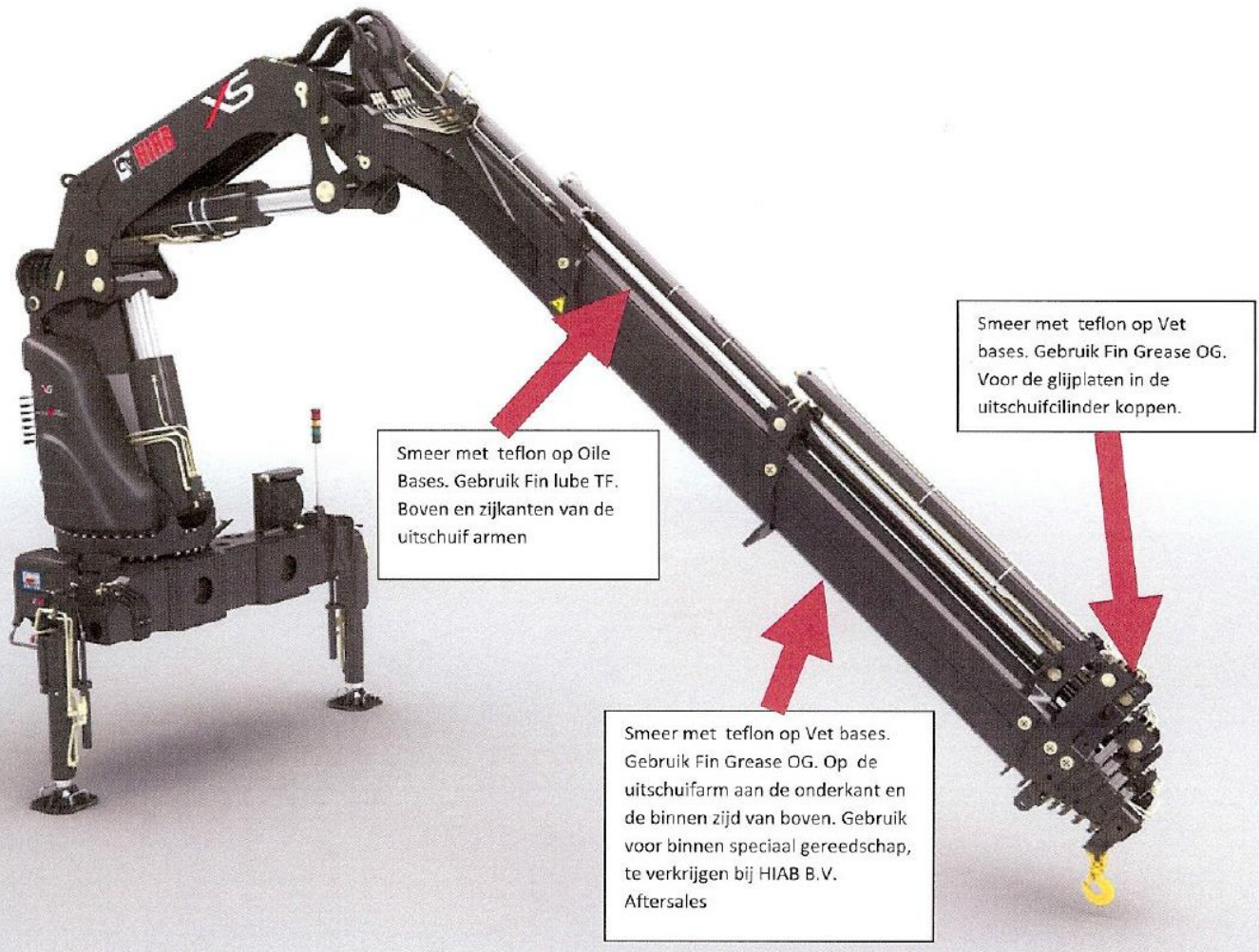
Application: Release Hiab truck-mounted cranes 1-2**Interflon Grease OG,
NSN 9150-17-112-4744
HIAB cranes****Results of the test performed in the factory in
Meppel****Type of crane: Hiab 1055 E-8-1M 2008; length
20 metres**

Measurements clearly showed a lower oil pressure when lubricated with Interflon Grease OG. On average, pressure after lubrication with Interflon Grease OG is 15 bar lower than with the current lubricant. The measurement report also clearly showed that the pressure needed to set every separate part in motion is lower when lubricated with this new lubricant. The oil flow with Interflon lubrication is higher. This means that the speed of extending and retracting is also higher.

The extension speed for extending a load of 3,200 kg is greater by 5 seconds when lubricated with the Interflon product.



Application: Release Hiab truck-mounted cranes 2-2



Interflon Grease OG,
NSN 9150-17-112-4744
HIAB cranes

Application: Mercedes-Benz 290GD



There are five basic types of Mercedes-Benz 290 GD off-road vehicle in use. Each type has a different purpose. For example, transport of goods, transport of people, transport of casualties or command and control, and air defence. All the off-road vehicles are four-wheel-drive vehicles.

Applications:

Lock mechanism, sockets, tow bar and windscreen wiper hinge point.

Problems with the applications listed above were:

- Corrosion.
- Galling of parts.
- Locks are difficult to open.

Solution: **Interflon Fin Super aerosol**

NSN number 9150-17-110-3048

Results:

Interflon Fin Super gives very good results. Problems such as corrosion and galling of materials are a thing of the past.

Application: Armoured vehicle YPR



The Ministry of Defence uses the YPR-806 A1 PRB (armoured tracked recovery vehicle) and the YPR-KMar (Royal Netherlands Marechaussee).

Applications:

Accelerator cable mechanism, engine stop mechanism, bolts of the chassis attachment, seat sliding mechanism, stick hinges, crawler track tensioners.

Problems

- Corrosion.
- Galling of parts.
- Jamming of cable mechanism.

Solution:

Interflon Fin Super aerosol

NSN 9150-17-110-3048

Interflon Fin Grease aerosol

NSN 9150-17-105-8035



Results:

Interflon Fin Super and Interflon Fin Grease give very good results. The problems listed above are a thing of the past.

Application: Boxer armoured wheeled vehicles

Models and numbers:

- 36x Boxer command post
- 52x Boxer ambulance
- 92x Boxer engineering
- 12x Boxer cargo
- 8x Boxer driving instruction



The Royal Netherlands Army will soon have 200 Boxer armoured wheeled vehicles in five different models. What is striking about this robust, all-terrain vehicle is its modular system. The vehicle consists of two parts: a basic part (the control section and the chassis) and the driving section, with a specific structure on top. It is this mission module that determines the function of the vehicle.

Applications:

Accelerator cable mechanism, engine stop mechanism, bolts of the chassis attachment, seat sliding mechanism and hinges.

Problems

- Corrosion.
- Galling of parts.
- Jamming of cable mechanism.

Solution:

Interflon Fin Super aerosol

NSN 9150-17-110-3048

Interflon Fin Grease aerosol

NSN 9150-17-105-8035

Results:

Interflon Fin Super and Interflon Fin Grease give very good results. The problems listed above are a thing of the past.

Application: Fennek reconnaissance and surveillance vehicle.



The Fennek is a lightweight reconnaissance and surveillance vehicle. The Fennek is named after a small desert fox because of a number of its characteristics: quiet, inconspicuous, observing and, if necessary, fast and aggressive.

Applications:

Door hinges, hatches and seat slide.

Problems:

- Formation of corrosion due to the penetration of moisture.
- Galling of parts.
- Build-up of dirt.

Solution:

Interflon Fin Grease aerosol

NSN 9150-17-105-8035



Results:

Interflon Fin Super and Interflon Fin Grease give very good results. The problems listed above are a thing of the past.

Application: Fin Super uses for the Fennek



The Fennek is a lightweight reconnaissance and surveillance vehicle. The Fennek is named after a small desert fox because of a number of its characteristics: quiet, inconspicuous, observing and, if necessary, fast and aggressive.

Problem

Rust, seizing of components, resulting in high maintenance costs.

Environment

All imaginable difficult conditions.

Current product

Various maintenance products.

Solution: **Interflon Fin Super**

Applications: hinges, fasteners, pins, electrical components, cables, sliding sections and rubbers.

To ensure that the Fennek reconnaissance vehicle is as inconspicuous as possible, the vehicle is low and the engine is quiet. The exhaust gases are emitted in such a way that they are difficult to detect on heat images. The vehicle is also mobile on difficult terrains.

Result

Interflon Fin Super gives very good results.

Problems such as corrosion, galling of materials and the build-up of dirt are a thing of the past.

Application: Uni construction machine/front-end loader



The Uni construction machine is used by military engineers to build protection for personnel and equipment. The machine is also used for engineering work, such as keeping routes open or transporting goods.

Applications:

Winch cables and pivot points.

Problems:

1. Wear on roller tracks, pivot points, hinge points, winch cable, etc.
2. Rust on the handbrake cable.
3. Excessive play between the pin-bush connections.
4. Seizing of the exhaust manifold.

Solution:

Interflon Lube TF

NSN 9150-17-110-8959

Interflon Grease OG,

NSN 9150-17-112-4744

Interflon Grease MP 2/3

NSN 9150-17-116-8737

Interflon Paste HT 1200

NSN 8030-12-335-3965

Results:

Using Interflon products gives very good results. The problems listed above are a thing of the past.

Application: Bandvagn 206 tracked vehicle (Viking)**1-2**

Applications: Vehicles used by the Netherlands Navy are often exposed to seawater.

Problems: A lot of connections seize up due to rust. This often results in unnecessary damage during disassembly. Environmental legislation prohibits the use of copper slip.

Solution: **Interflon Paste HT 1200**
NSN – 8030-12-335-3965

An excellent product for us, which everybody is very happy about.

Results: Easy to apply and delivers good results even after a long period of time.



Results: Easy to apply and delivers good results even after a long period of time.

Reference/barracks: 310 Matlog platoon Den Helder

Application: Bandvagn 206 tracked vehicle (Viking)**2-2****Wear plates****Problem**

The Viking is a tracked vehicle used by the Navy, often in swamp areas/areas close to the sea and in cold regions.

A - A lot of corrosion on the spindles and the wear plates, which means they have to be replaced prematurely.

B- The grease is washed out of the clutch, for example.

Environment

Dusty, damp and all imaginable weather conditions.

Current product

A - WD40

B - Current Ministry of Defence grease

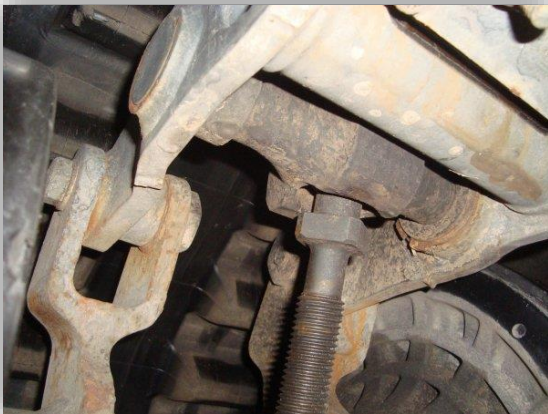
Solution

A - Wear plates and all-round maintenance

Interflon Fin Super

A - Spindles + other rotating parts **Interflon Grease OG (Aerosol)**

B = Clutch and bearings **Interflon Grease LS2**

**Spindles****Clutch****Result:**

- Interflon products ensure that no unexpected problems arise.
- This is important during missions.
- (Royal Netherlands Navy)

Application: Shelter doors



Grease OG is used for shelter doors to everybody's satisfaction. The Work Instruction Cards for the shelter door state that it must be lubricated with **Interflon Grease OG** NSN 9150-17-112-4744



GU-09



**WERK INSTRUCTIE KAART
PERIODIEK ONDERHOUD**

| | | | | |
|-----------------|---------------------|---------------|------------------|----------|
| Naam | Shelterdeur | | | |
| Type | Required | | | |
| ASSC | | | | |
| NSN | | | | |
| Referentie | ONCR 47-3040-001 | PUB 036059 | | |
| Bedrijfsstoffen | Benaming | Liters | NSN | AVIB |
| | C-635 | 500 | 9150-00-935-6810 | 9150-315 |
| | G-403 | | 9150-17-049-4580 | 9150-424 |
| | FIN GREASE OG | | 9150-17-112-4744 | 9150-376 |

Application: Patriot Launcher



Problem

Assembly and disassembly was a serious problem with the current grease.

The parts become hot, causing the current grease to burn and the parts to seize.

Environment

Hot, dusty and humid.

Current product

G403 (Ministry of Defence grease)

Solution

Interflon HT1200

NSN 8030-12-335-3965



Result:

- No more seized parts.
- No irritation.
- Fewer maintenance hours.

Application: 60, 81 and 120 mm mortars (Rayé)



These artillery pieces are used to give fire support to troops by means of indirect fire.

Problem

Grease and copper paste are sometimes still used, but neither works satisfactorily. Grease and copper paste are pushed out of the way by the force or saponified when exposed to moisture. Adjusting the mortars is difficult and heavy.

Environment

Dusty, damp and all imaginable weather conditions.

Current product

Current Ministry of Defence grease and copper paste.

Solution

Interflon HT1200



Screwed connections



Manual adjustment bronze gear wheel

Result:

- HT1200 on nut/bolt connections. Thanks to HT1200, making adjustments to screwed connections on the mortars has become easier. HT1200 also remains in place in all imaginable weather conditions.

Application: Mobile crane LIEBHERR FKM



Mast, supporting struts and open gear wheels.

Problem

Too little lubrication, rust, wear and high maintenance costs.

Environment

Varying temperatures for different missions.

The grease drips at high temperatures or crumbles at low temperatures.

Therefore, less grease is applied, with the result that rusting occurs.

Solution

Interflon Grease OG,

NSN 9150-17-112-4744



Result:

- Clean masts/guides (thin film of lubrication).
- No rust.
- Parts slide easily.

Application: Weapon cleaning with Interflon Degreaser EM56+



After use, combustion residues remain in the weapon. This is referred to as gunpowder residue and consists of nitrite bonds.

After using a gun, it is important to remove the gunpowder residue immediately, otherwise it dries in. Dried-in gunpowder residue results in the weapon no longer working correctly.



Advantages

- Powerful cleaner and degreaser.
- Can be rinsed with water.
- Has a mild odour.
- Safe and easy to use.

Excellent alternative to acetone and other hazardous cleaning agents. Contains natural solvents with a mild odour. Does not damage paints, plastics or rubber.



Result:

- Easy removal of gunpowder residue.
- Longer service life of the cleaner (2-3 times longer).
- Easy to use.

Application: Bomb Loader



Bomb loaders, which are used to suspend bombs under fighter jets.

Problem

The hook system and friction bearings become dirty because the current grease bleeds. No optimal lubrication and a risk of breakdowns. These vehicles must work when needed.

Environment

Dusty, damp and all imaginable weather conditions.

Current product

G404 Ministry of Defence grease.

Solution

Interflon Grease OG (friction bearings/hook system)

NSN 9150-17-112-4744

Interflon Grease MP2/3 (bearings)

NSN 9150-17-116-8737

Result:

- No more contamination.
- Greases can be used in a large temperature range.
- Operational reliability.

Application: Water drill installation



The water drill installation drills water wells of a depth of up to 400 to 500 metres. Drinking water and fire-fighting water can be obtained from these wells. The water drilling detachment is deployed in the Netherlands, during foreign exercises and on missions.



Environment

Hot, dusty and damp.

Current product

G403 (Ministry of Defence grease).

Solution for assembly and disassembly

Interflon HT1200

NSN 8030-12-335-3965

Solution for bearings and sliding surfaces

Interflon Grease LS1/2

NSN 9150-17-125-0878



Result:

- The grease has a longer service life.
- The grease is waterproof and does not saponify.
- Components are easy to assemble and disassemble.
- Both products inhibit corrosion.

Application: Preservation of stainless steel reinforcement parts



Various parts treated with Film WB ready to be assembled

Workshop: Navy guns often have stainless steel parts which must be blasted after treatments such as welding and grinding. After (bead) blasting, the parts look like new, but because of transport, assembly and adjustment, the parts become contaminated by dirt, grease and oil. Passivation of the stainless steel parts is a solution, which also offers good protection against corrosion.

A disadvantage is the processing time and the transport costs. For use in our workshop, it is sufficient that an antistick coating is applied which provides protection until the natural oxide skin takes over this task. The chosen product is the antistick coating **Interflon Film WB**

During the assembly and commissioning of our installation, the coating remains intact, dirt, grease and oil are easy to remove, and the stainless steel components still look nice and clean. Furthermore, the treated parts are part of the transport mechanism and the smoother surface of the treated parts has a positive influence on this.

Interflon Film WB is used to protect stainless steel parts that have been (bead) blasted. The antistick coating is easy to apply, has a fast drying time and contamination is easy to remove. The smooth surface has a positive influence on the transport mechanism of the weapon system for which it is used.

Application: VBM 8x8 Freccia smoke screen



The screen isolates the weapon and protects the crew against the smoke generated by firing the rocket.

Problem

The zips of these smoke screens are very difficult to open and close because of the accumulation of dirt and soil.

Environment

Dusty, damp and all imaginable weather conditions.

Current product

None.

Solution

Interflon Slide Wax



Smoke screen



Result:

- Smooth-running zips.
- Quickly deployable without problems.

Application: Diesel engine test with Interflon NT500

Test

The test was performed using a heavy diesel engine of the type 8210.42K.3371 manufactured by IVECO ASTRA with the following characteristics:

- Maximum power: 272 kW (370 PK)/1,900 rpm
- Maximum torque: 1,762 Nm/1,100 rpm
- Maximum engine speed: 2,240 rpm
- Number of cylinders: 6 in line, with turbo

Volume: 13.8 litres

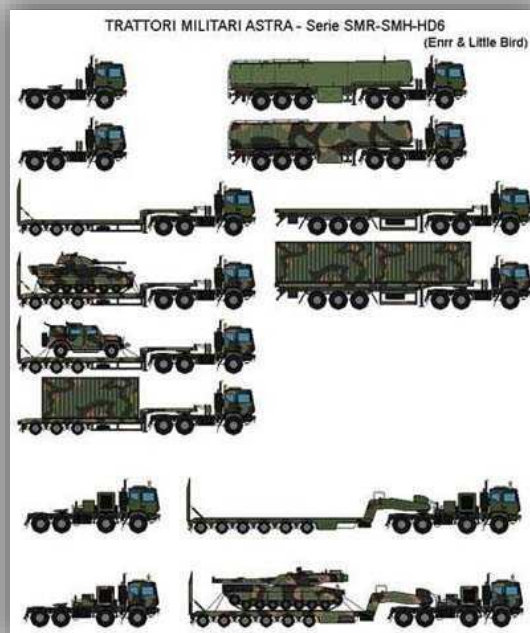
- Compression: 16.5 bar
- Fuel consumption: 213.4 g/kWh/1,900 rpm at maximum load

The test engine had already run for 1,000 hours before the test



Application

An investigation into the advantages of adding **Interflon Finnoly NT500** to engine oil was performed by the **Centro Polifunzionale di Sperimentazione**, the laboratory of the Italian General Directorate of Military Works and State Property. The assignment for this investigation was given by the Comando Logistico Dell'Esercito (the logistic management of the Italian army). The additive was tested in a heavy diesel engine on a test stand according to an internal series of tests. The results were statistically analysed.



The types of vehicle in which the diesel engine of the stated test may be used.

Result:

- - 1.1% increase in engine power.
- 1.4% increase in the maximum torque.
- 1.4% reduction in sump vapours.

Application: Lubrication of light weapons



Beretta PAB 92 pistol



Beretta PM 12 submachine gun



Beretta AR 70 rifle



Lubrication of light weapons that are used at the military airfield in Cameri (NO), Italy.

Problem

During the drying phase, the previous lubricant caused a reddish oxidation on the treated components, which caused problems. It did not offer optimal protection against moisture and the excess oil got thrown out the weapons when they were fired. This meant that the weapons became dirty and that they were soiled with grease, so that were more difficult to handle.

Environment

Dusty, damp and all imaginable weather conditions.

Current product

Conventional oil.

Solution

Interflon Fin Super

INTERFLON ITALIA SRL NATO code; AE400

Result:

- Clean, dry lubrication.
- Optimal movement of the components.
- Optimum penetration.
- User-friendly.
- No more grease spots on the weapons.

Application: Lubricating, preserving and cleaning hoisting equipment



Problem

- Corrosion.
Build-up of dirt.

Environment

Dusty, damp and all imaginable weather conditions.

Solution

Interflon Fin Lube TF aerosol

ÖBH product number H0C95-8238



Result:

- The problems, such as the formation of rust and the build-up of dirt, are a thing of the past.

Application: Spindles lubrication, preservation and cleaning



Problem

Spindles that do not move very easily because of the accumulation of dust and dirt, and because of corrosion.

Environment

Dusty, damp and all imaginable weather conditions.

Solution

Interflon Eco EM100+ cleaning

Interflon Fin Grease MP2/3 lubrication

Clean with EM110+, then blow clean with air.

Apply a thin layer of Grease MP2/3.

Result:

- Properly functioning spindles.
- Reliable.
- No replacement costs.

Application: Porsche screw compressor



Specifications

Make: Porsche

Type: LK1601

Volumetric flow rate 1,600 l/m

Operating pressure: 6 bar

Highest speed: 2,650 U/min

Problem

The oil quickly becomes contaminated, which harms the compressor. The current lubricant becomes gelatinous.

Environment

Dusty, damp and all imaginable weather conditions.

Current product

Specified Porsche product.

Solution

Interflon Lube PN32

Result:

- Compressor runs quietly.
- Oil service life is extended.
- Compressor service life is improved.

Application: Manual hoist and jack



Make: Habegger
Type: Hit32



Problem

A great deal of contamination and the tools must be regularly cleaned. The current cleaning product is very unfriendly to the environment and to humans and you have to use a lot.

Environment

Dusty, damp and all imaginable weather conditions.

Solution

Interflon Eco EM100+

The cleaning product is friendly to the environment and to humans.

Interflon Fin Grease lubrication of the manual hoist

Solution

Interflon Eco EM100+

The cleaning product is friendly to the environment and to humans.

Interflon Fin Grease OG lubrication of the jack.

Result:

- Much less cleaning required.
- The hoist and jack remain cleaner, even after exercises in the mountains.

Defence

INTERFLON



MicPol® Lubrication Technology