

# PRODUCT CATALOGUE

TETRA PAK® FOOD GRADE LUBRICANTS



# COMBINING FOOD PROTECTION WITH RELIABLE PERFORMANCE

Choosing Tetra Pak® Food Grade Lubricants ensures you stay at the forefront of food safety industry standards and legislative requirements. Our state-of-the-art synthetic H1 food grade lubricants also deliver the operational performance you require for your food manufacturing equipment with the desired quality.

## BENEFITS

- Food protection
- Reliable and better performance when compared with mineral oils
- Easy to select



Latest advances in food technology  
Technological developments enable food grade lubricants to perform better than traditional mineral oils in several areas.

### Thorough testing & development

- Extensive internal tests
- Globally deployed field tests
- Tests by our external suppliers



NSF certified  
NSF is an independent, non-profit organization that certifies food service equipment and ensures it is designed and constructed in a way that promotes food safety. The NSF mark lets you know the company complies with strict standards and procedures.

### Quality approved by Tetra Pak®

Tetra Pak® Food Grade Lubricants are the best choice for Tetra Pak® equipment as they combine performance with food protection.



# STILL RUNNING WITH MINERAL OIL? TETRA PAK® HELPS YOU UPGRADE

Most Tetra Pak® equipment includes food grade lubricants as standard. If you are not already using this type of lubricant, making the switch couldn't be easier. Retrofitting your old equipment is now even easier with the FGL Light kit versions of the Upgrade kits

## BENEFITS

- Meet changing food safety regulations without investing in new equipment.
- Optimise your daily operations by reducing the risk of lubricant mix-up.
- Improve the safety of your operations.

Tetra Pak® food grade lubrication upgrade kits are available for:

- Tetra Pak® A3/Flex/Compact Flex/Speed
- Tetra Pak® TT/3
- Tetra Pak® TBA/19
- Tetra Pak® TBA/22
- Tetra Pak® Cap Applicator 30 Flex/Speed
- Tetra Pak® Cardboard Packer 30 Speed
- Tetra Pak® Film Wrapper 68



## ALSO AVAILABLE FOR HOMOGENIZERS

After extensive work and research within the processing engineering departments, Tetra Pak can now offer a complete range of food grade lubricants to cover homogenizers.

Converting current machine to work with food grade lubricants is quite easy. For most of the homogenizers a special upgrade is not required. Just a simple oil drain and refilling with Tetra Pak® Food Grade Lubricants brings you the required peace of mind.

### OIL LIFETIME DOUBLED

By changing from mineral oil to Tetra Pak® Food Grade Oil, the normal oil change at 6000 hours could be extended to 12000 hours. This means you spend less time, use less lubricants, and reduce costs at the same time.



Tetra Pak® Homogenizer

Food grade oil available for homogenizers

- Crankcase
- Gearbox
- Hydraulic unit



## HELPING YOU SELECT THE RIGHT LUBRICANT

Which food grade lubricants are offered by Tetra Pak? What is their specific application? Is there a food grade lubrication upgrade kit for my equipment?

The answers are given here. The following pages give you a complete overview of our range of food grade lubricants along with information on our food grade lubrication upgrade kits.

Through the table starting on the next page, you can easily find what Tetra Pak® Food Grade Lubricants you can use for your filling machines and homogenizers. We are then providing you with an overview per lubricant type. In the relevant application table, you will be able to find technical details as well as a summary of the product benefits.



# TETRA PAK® FOOD GRADE LUBRICANTS



## CENTRAL LUBRICATION SYSTEM

Tetra Pak® Food Grade Lubricant	Material No.	Size and package type	Service temp. range (°C)	NSF No.	Base oil	ISO VG	Benefits
Lubricant H1-0500	1607010-0020	20 L can	-30 to 120	150596	PAO, ester oil	320	Good ageing and oxidation stability for longer oil life Good wear protection and load-carrying capacity Good corrosion protection
	1607010-0005	5 L can					

## HYDRAULIC

Tetra Pak® Food Grade Lubricant	Material No.	Size and package type	Service temp. range (°C)	NSF No.	Base oil	ISO VG	Benefits
Hydraulic H1-0500	1607000-0020	20 L can	-45 to 135	150594	PAO	32	Good stability at low temperatures
Hydraulic H1-0520	1607001-0020	20 L can	-40 to 135	150595	PAO	46	Protection against friction and wear
Hydraulic H1-0530	1607002-0020	20 L pail	-40 to 135	159830	PAO	68	Good corrosion protection

## GEARBOX

Tetra Pak® Food Grade Lubricant	Material No.	Size and package type	Service temp. range (°C)	NSF No.	Base oil	ISO VG	Benefits
Lubricant H1-0500	1607010-0020	20 L can	-30 to 120	150596	PAO, ester oil	320	Good ageing and oxidation stability for longer oil life Good wear protection and load-carrying capacity Good corrosion protection
	1607010-0005	5 L can					
Lubricant H1-0520	1607011-0020	20 L can	-30 to 120	150597	PAO, ester oil	150	Good ageing and oxidation stability for longer oil life
Lubricant H1-0540	1607012-0020	20 L can	-30 to 120	150598	PAO, ester oil	220	Good wear protection and load-carrying capacity Good corrosion protection
Lubricant H1-0550	1607015-0020	20 L can	-30 to 120	159831	PAO	460	High scuffing load capacity and antiwear protection for roller bearings, protection against corrosion, ageing and oxidation and resistant to shear.
Lubricant H1-0600	1607020-0020	20 L can	-30 to 160	150599	PAG	220	Much longer service life than mineral oils due to excellent ageing and oxidation resistance. Reduced friction of the PAG base oil reduces power losses and improves efficiency. High micropitting resistance offers sufficient protection for highly-loaded gears.
Lubricant H1-0620	1607021-0020	20 L can	-30 to 160	150600	PAG	320	
Lubricant H1-0640	1607022-0020	20 L can	-25 to 160	150601	PAG	460	

## ABBREVIATIONS

NSF: NSF registration number  
PAO: Polyalphaolefin base oil

ISO VG: ISO (International Organization for Standardization) Viscosity grade  
PAG: Polyalkylene glycol oil

NLGI: NLGI (National Lubricating Grease Institute) consistency number expresses a measure of the relative hardness of a grease.

# TETRA PAK® FOOD GRADE LUBRICANTS



## GREASE

Tetra Pak® Food grade lubricant	Material No.	Size and package type	Service temp. range (°C)	NSF No.	NLGI	Product characteristics	Base oil /thickener	Base oil viscosity	Benefits
Grease H1-0500	1607030-0025	25 kg bucket	-45 to 120	150590	00	Synthetic fluid gear grease, mainly used for central lubrication system	Synthetic hydrocarbon oil, ester oil, aluminium complex soap	160	Good corrosion protection Good wear protection
	1607030-0001	1 kg can							
Grease H1-0520	1607031-0100	100 g tube	-40 to 140	150591	2	Lubricating grease with wide temperature range	Synthetic hydrocarbon oil, ester oil, silicate	65	Good water resistance Good corrosion and wear protection
	1607031-0001	1 kg can							
Grease H1-0600	1607036-0400	400 g cart	-30 to 160	150592	2	Heavy duty grease /calcium complex soap	Synthetic hydrocarbon oil	400	Excellent load-carrying capacity Very good corrosion protection and water resistance Excellent flow properties
Grease H1-0510	1607033-0025	25 kg bucket	-30 to 120	159829	1	Soft grease mainly used for lubrication of roller and sliding bearings, cylinders, joints, guide bars.	Synthetic hydrocarbon oil, aluminium complex soap mixture	-	Soft grease with anti-wear, water resistance and corrosion protection properties as well as ageing and oxidation stability.
Grease H1-0510	1607033-0370	370 g tube	-30 to 120	159829	1				



## IMPORTANT

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application.

All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamic, chemical and thermal loads, time and pressure. These changes may affect the function of a component. The products are continually improved. Therefore, the right to change all the technical data in this document at any time without notice is reserved.

These pages include a simplified guideline for filling machines, separators and homogenizers. However, these lubricants are recommended for the predominant part of the Tetra Pak distribution equipment portfolio as well.

For the most up-to-date recommendation, please check the latest maintenance manual. Remember that each product in our lubricant portfolio is designed for a specific machine application.

Note: Mixing different lubricants can generate equipment breakdowns, spare parts lifetime reduction or spare parts failure.



# GUIDE TO TETRA PAK® FOOD GRADE LUBRICANTS FOR SPECIFIC EQUIPMENT

## LUBRICATING OIL / PAO (POLYALPHAOLEFIN)

	H1-0500	H1-0520	H1-0540	H1-0550
Material number	1607010-0020 1607010-0005	1607011-0020	1607012-0020	1607015-0020
Equipment	Tetra Pak® A3/Flex Tetra Pak® A3/CF Tetra Top®/3 E3/Flex E3/CF TBA/19	Tetra Pak® A3/Flex Tetra Pak® A3/CF	TBA/19 (Low temp.) Tetra Pak® A3/CF Tetra Pak® Homogenizer (Crank case)	Tetra Pak® Homogenizer (Crank case Heavy Duty*)

\*Start sequence with high load and low r.p.m.

## GEARBOX / PAO (POLYALPHAOLEFIN)

	H1-0500	H1-0520	H1-0540
Material number	1607010-0020 1607010-0005	1607011-0020	1607012-0020
Equipment	Tetra Pak® Homogenizer TBA/19 Tetra Pak® R1	Tetra Pak® A3/Flex Tetra Pak® A3/CF TPA A1 1000 E3/CF100 TBA/19 (Low temp.)	Tetra Pak® Homogenizer*

\*May be also applied for some SEW Gearboxes. Check the user manual.

## GEARBOX / PAG (POLYALKYLENE GLYCOL)

	H1-0600	H1-0620	H1-0640
Material number	1607020-0020	1607021-0020	1607022-0020
Equipment	Tetra Pak® A3 platforms E3/Flex 100	Tetra Pak® A3 platforms	Tetra Pak® A3 Speed



## HYDRAULIC OIL / PAO (POLYALPHAOLEFIN)

	H1-0500	H1-0520	H1-0530
Material number	1607000-0020	1607001-0020	1607002-0020
Equipment	Tetra Pak® A3/Flex Tetra Pak® A3/CF Tetra Top® A3/Speed E3/CF Flex TBA/19	Tetra Top®/3	Tetra Pak® Homogenizer

## GREASE

	H1-0500	H1-0520	H1-0600	H1-0510	H1-0700
Material number	1607030-0025 1607030-0001	1607031-0100 1607031-0001	1607036-0400	1607033-0100	1607037-0100
Equipment	Tetra Pak® A3 platforms	Tetra Pak® A3 platforms TBA/19 TBA/22 TBA/21 Tetra Pak® A1 Tetra Pak® E3 Flex/Speed 100	Tetra Pak® A1	Tetra Pak® A3 platforms E3 platforms Tetra Pak® Homogenizers TBA/19 Tetra Pak® A1 Tetra Top®/3	Tetra Pak® A3 platforms E3/Flex 100

# OPTIMAL PERFORMANCE OF YOUR OPERATIONS

Tetra Pak® Consumables ensure optimal performance of your operations through an extensive range of high-quality adhesives, lubricants, chemicals and ingredients specifically developed to meet the stringent requirements of the food industry.

An extensive portfolio available for the food and beverage industry:



Tetra Pak®  
Food Grade Lubricants



Wooden sticks  
for ice cream



Rapid microbial  
detection



Tetra Pak®  
Hot Melt Adhesives

