



# Schaeffler Arcanol Lubricants

Industry 4.0 Aftermarket Accessories



**SCHAEFFLER**  
arcanol  
Rolling Bearing Grease

## Agenda

- 1 Importance of lubrication
- 2 Value proposition
- 3 Arcanol portfolio & applications
- 4 Accessories
- 5 Portfolio update
- 6 Success case
- 7 Useful further information



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- 1 Importance of lubrication**
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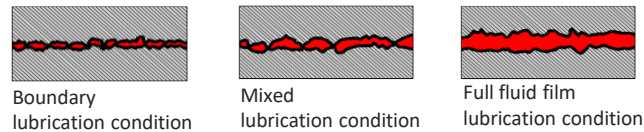
## Lubricant is the 5<sup>th</sup> element of the rolling bearing



- 1 Outer Ring
- 2 Inner Ring
- 3 Rolling Element
- 4 Cage
- 5 Lubricant / Grease

### Main Function of the grease lubricant in a rolling bearing:

- Separation of the friction partner in the rolling contact.



- “Sealing” function to prevent contamination.
- Reduction of thermal energy in the bearing.
- Reservoir function for the oil.

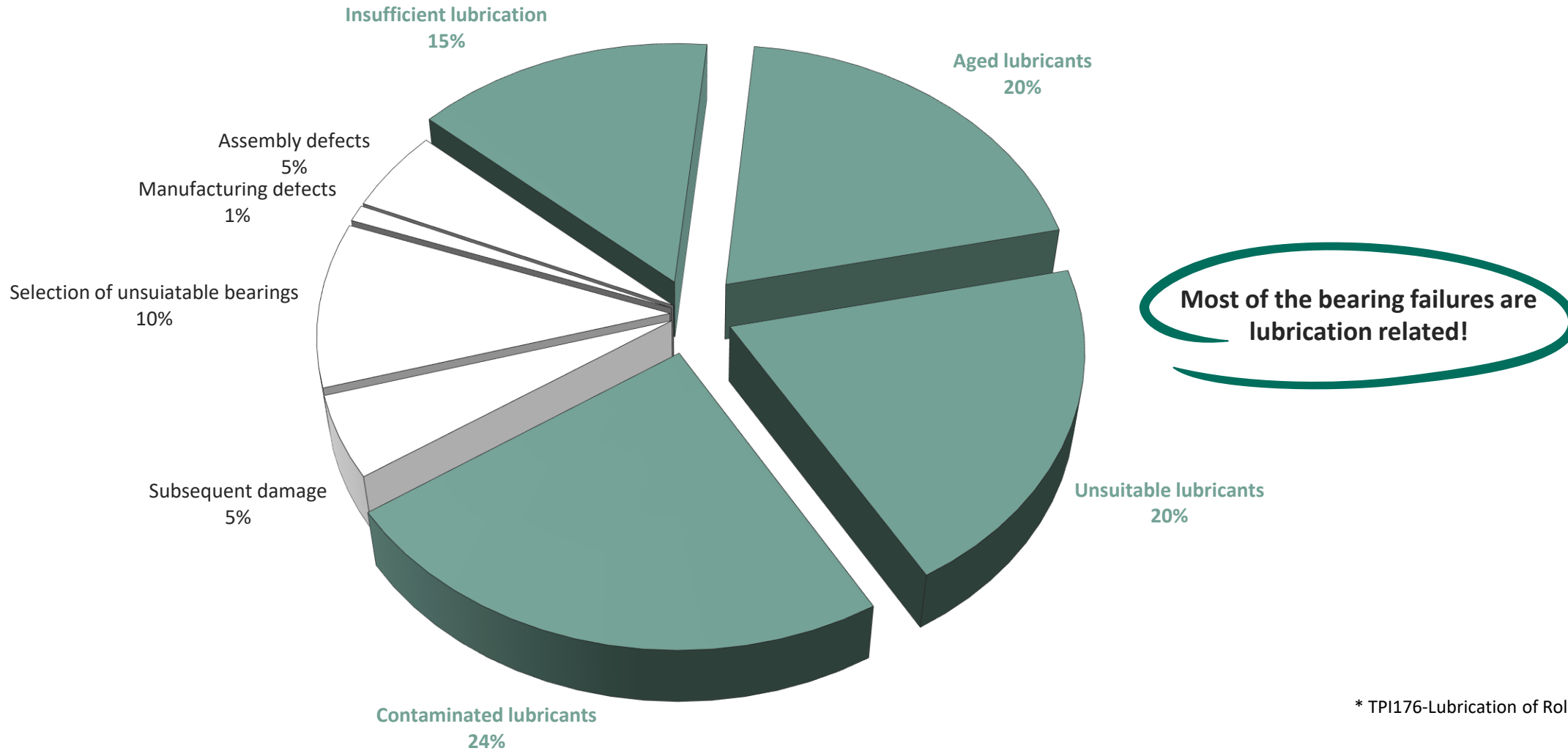
Reduction of rolling friction.

Reduction of rolling element, cage and raceway wear.

Main contributor for energy efficiency.

Main contributor for cost saving.

### Reasons for bearing failures\*

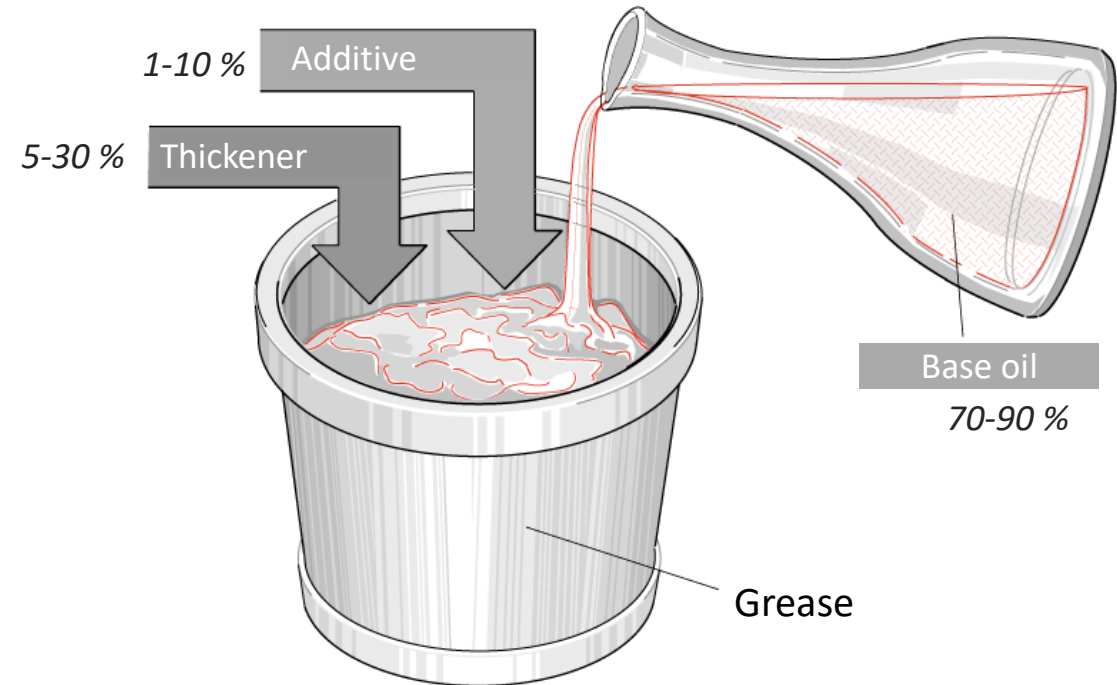


\* TPI176-Lubrication of Rolling Bearing: p.64

## Definition

Grease:

A grease lubricant is a solid to semi-fluid dispersion of a thickening agent in a liquid. Inclusion of additives can adjust special properties such as resistance to oxidation and wear.



## Grease content

70-90%

### Base Oil

- **Most greases** produced today use **mineral oil** as their fluid components.
- These mineral oil-based greases typically provide **satisfactory performance** in most industrial applications.
- In temperature **extremes** (low or high), a grease that utilizes a **synthetic base oil** will provide better stability.

5-30%

### Thickener

- The **thickener** is a material that, in combination with the selected lubricant, will **produce the solid to semifluid structure**.
- The **primary type** of thickener used in current grease is **metallic soap**. These soaps include lithium, aluminum, clay, polyurea, sodium and calcium.
- Lately, **complex thickener-type** greases are **gaining popularity**. They are being selected because of their high dropping points and excellent load-carrying abilities.
- Complex greases are made by **combining** the conventional **metallic soap** with a **complexing agent**. The most widely used complex grease is **lithium based**. These are made with a combination of conventional lithium soap and a low- molecular-weight organic acid as the complexing agent.
- **Non soap thickeners** are also **gaining popularity** in special applications such as high-temperature environments. Bentonite and silica aerogel are two examples of thickeners that do not melt at high temperatures.

1-10%

### Additives

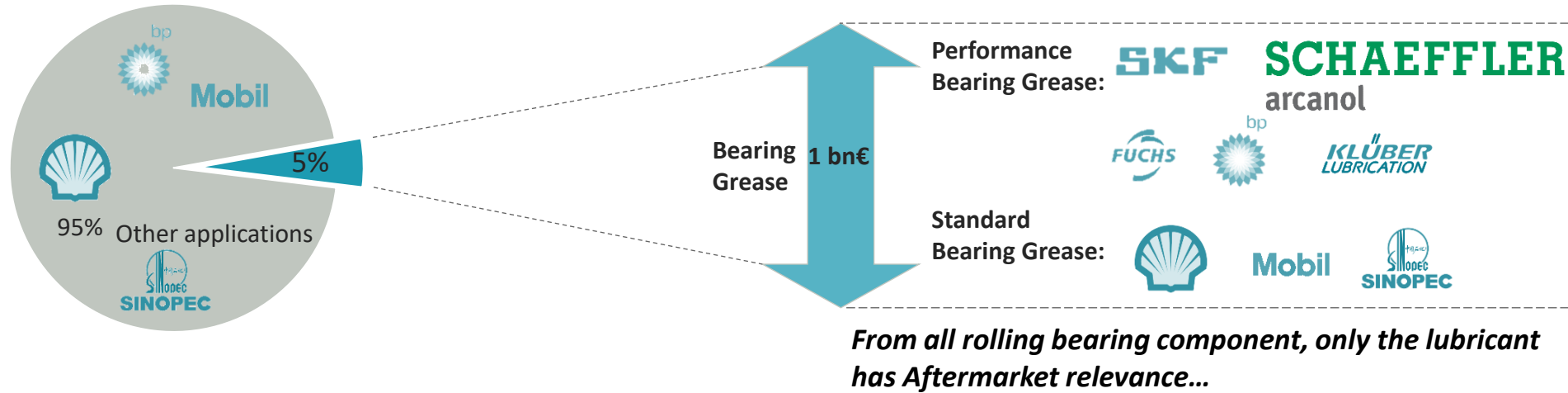
- Additives can play several roles in a lubricating grease.
- The most **common additives** are **oxidation and rust inhibitors, extreme pressure, anti wear, and friction-reducing agents**.
- In addition to these additives, **boundary lubricants** such as molybdenum disulfide (moly) or **graphite** may be suspended in the grease to reduce friction and wear without adverse chemical reactions to the metal surfaces during heavy loading and slow speeds.



The right selection of the components and their formular is key to ensure the right grease is offered for the application

# Big growth potential for Schaeffler Arcanol bearing greases

Global lubricants market (2021: > 20 bn€)





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## Why to buy Arcanol?



## Benefit

### Cost savings for end users!



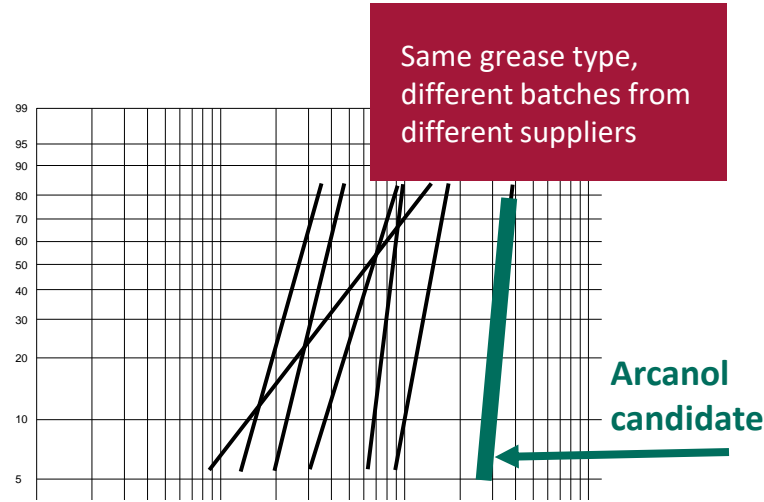
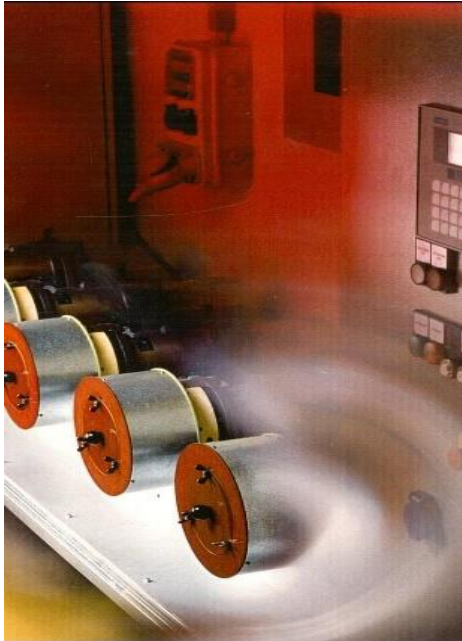
*due to:*

- ..less downtime**
- ..higher efficiency**

*because of:*

- ..reduced bearing wear**
- ..increased grease life**
- ..always correct lubricant used**
- ..correct quantity used in the correct time**

# FE8/FE9 Rolling bearing lubrication testing – Identification of grade A grease



Longer bearing lifetime

Same grease types from different suppliers lead to a significant bearing lifetime spread!

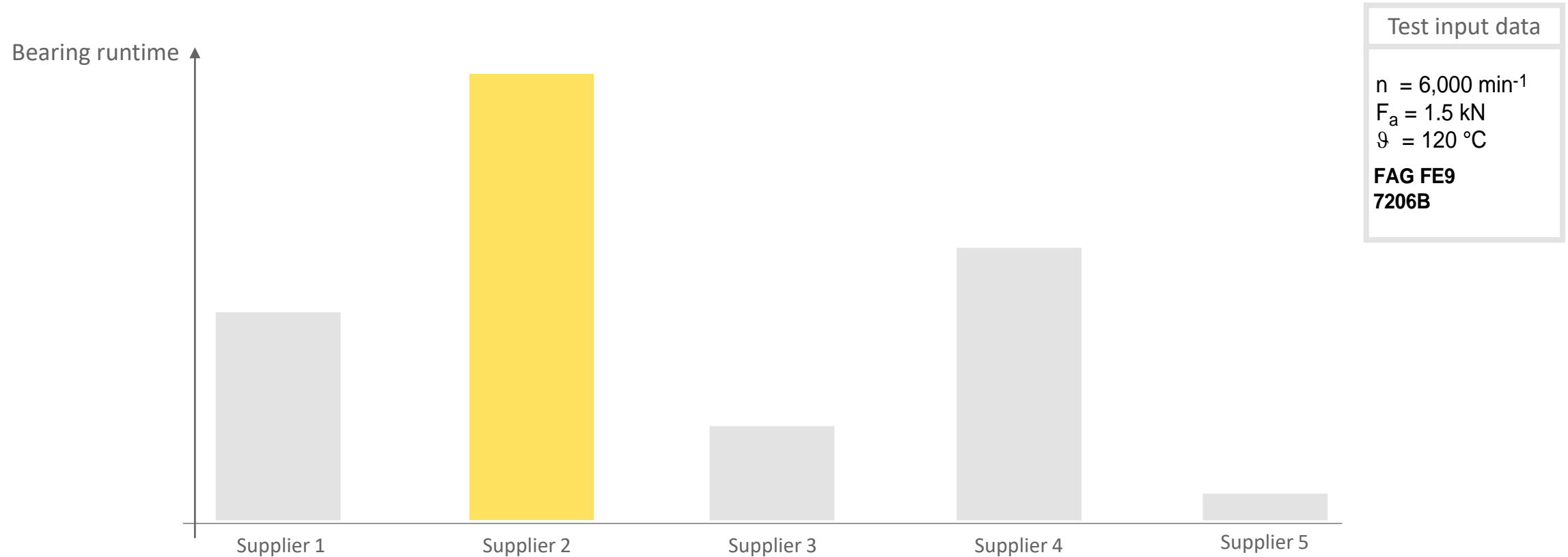


Longer bearing lifetime

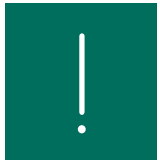
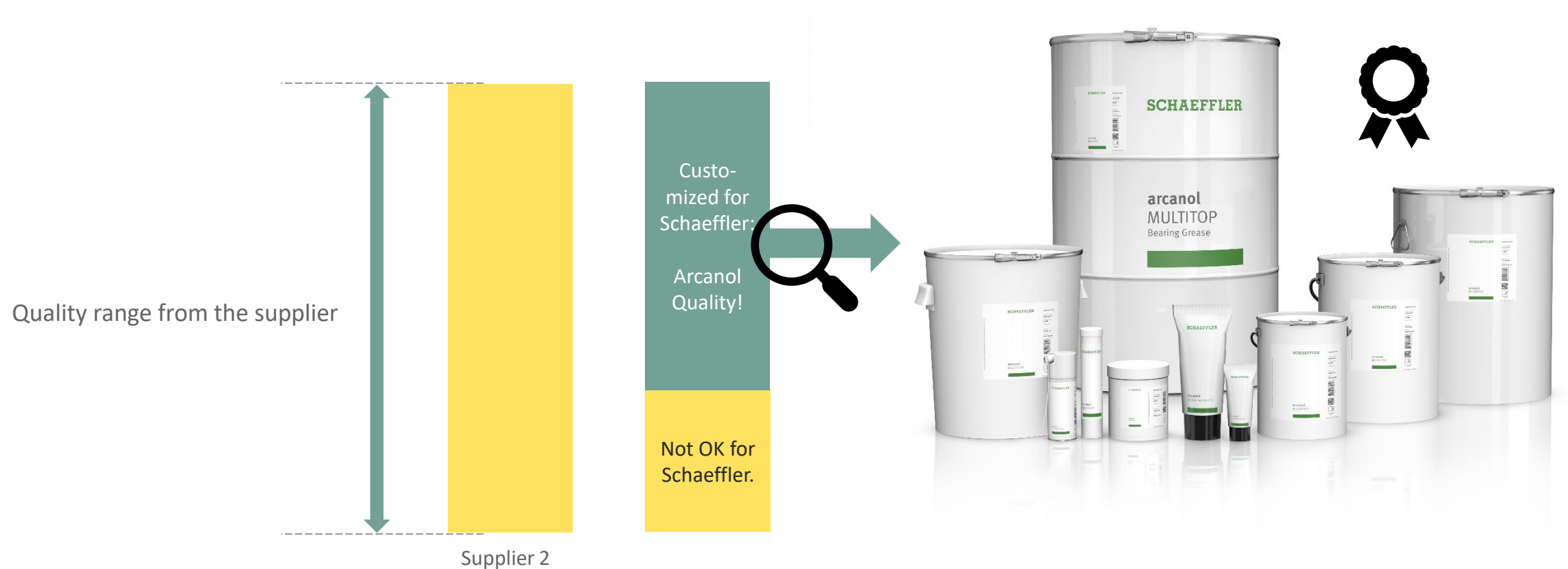
Also "good" greases show significant variation in the lifetime!

How to get the best of the best for the usage as Arcanol lubricants?

## Differences in the grease supplier quality – bearing runtime test

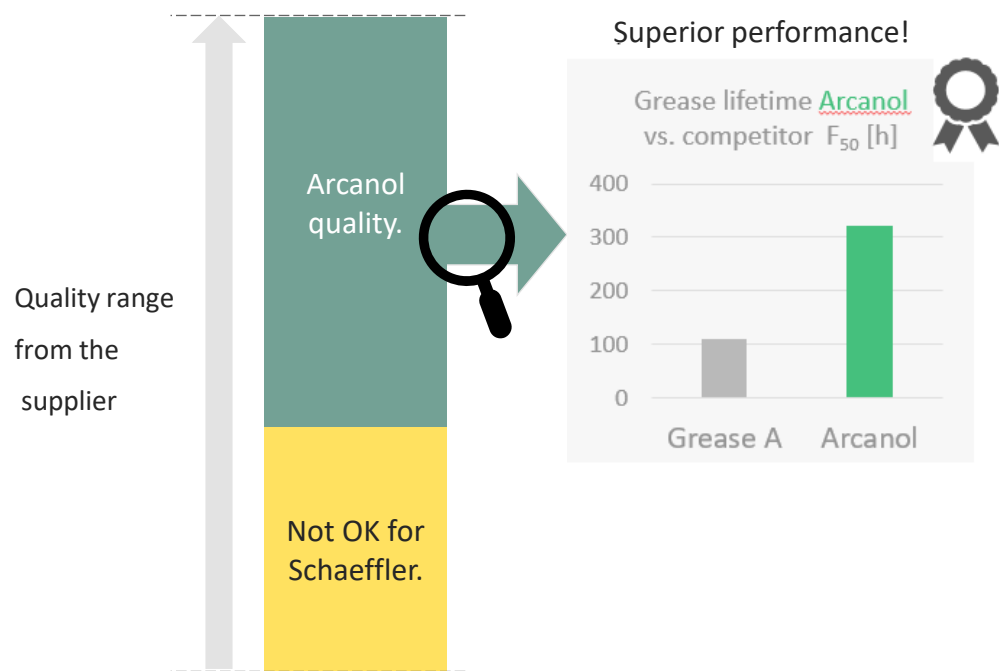


## Why to buy Arcanol?



**Arcanol is the A grade grease specially developed and comprehensively tested for the usage in rolling bearings**

## Why to buy Arcanol?



✓ **Comprehensive Experience:**



- Schaeffler is developing & testing special grease for the usage in rolling bearings since several decades → *Special suitability for rolling bearings.*

✓ **Quality:**



- The grease are comprehensively analyzed and tested for the usage in rolling bearings until they are integrated in the Arcanol product portfolio (e. g. FEG and DIN51819, FE9 and DIN51821...)
- Additionally, every batch is comprehensively analyzed according to the delivery condition and only the A grade is accepted → 100% quality control

✓ **Application fit portfolio:**



- Schaeffler has established a Arcanol product portfolio which covers almost every kind of application

✓ **One single supplier responsible for bearings and lubrication systems:**



- Customer support for the selection of the right Arcanol in the context of the complex tribological interaction of the grease and the rolling bearing
- Wholistic failure analysis with system expertise of tribology and rolling bearing

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**Product Portfolio**

*Broad portfolio consisting of 21 greases.*

**Market requirements**

Multipurpose	<p><b>Regional Standard Greases</b> XTRA3 India , GRAZA South America, MULTI3-E25B-CON Middle East &amp; Africa</p>	<ul style="list-style-type: none"> <li>• Moderate to high loads</li> <li>• Broad speed range</li> <li>• Broad application range</li> <li>• Local greases to meet local requirements</li> </ul>
	<p><b>Multi Purpose Greases</b> MULTI2, MULTI3, MULTITOP</p>	
Performance Greases	<p><b>Heavy Duty Greases</b> LOAD150, LOAD220, LOAD400, LOAD460, LOAD1000</p>	<ul style="list-style-type: none"> <li>• High load requirements</li> <li>• Line contact</li> <li>• Higher temperatures</li> <li>• Vibrations</li> </ul>
	<p><b>High Temperature Greases</b> TEMP90, TEMP110, TEMP120, TEMP200</p>	<ul style="list-style-type: none"> <li>• Wide temperature range</li> <li>• Moderate to high loads</li> <li>• Low startup temperatures</li> </ul>
	<p><b>Special Requirements</b> SPEED2,6, VIB3, FOOD2, CLEAN-M, MOTION2</p>	<ul style="list-style-type: none"> <li>• Special highspeed requirements</li> <li>• Special food production requirements such as Halal</li> <li>• Special greases for oscillations</li> </ul>

**Typical sectors and application examples**





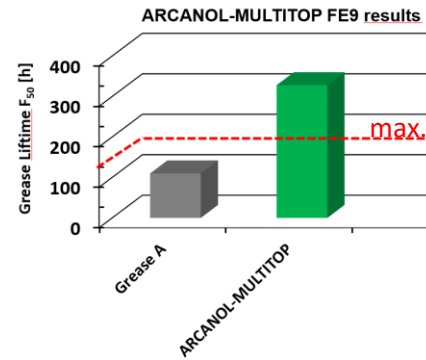
**MULTIPURPOSE: Arcanol MULTITOP**



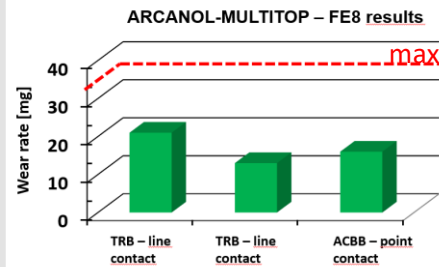
**Available containers**

Container	SAP no.	Designation
250 g tube	019143990-0000-10	ARCANOL-MULTITOP-250G#K
400 g cartridge	019144016-0000-11	ARCANOL-MULTITOP-400G#K
1 kg can	038652161-0000-12	ARCANOL-MULTITOP-1KG#K
5 kg bucket	038652170-0000-10	ARCANOL-MULTITOP-5KG#K
12,5 kg bucket	069455490-0000-10	ARCANOL-MULTITOP-12,5KG#S
25 kg hobbock	019144008-0000-10	ARCANOL-MULTITOP-25KG#K
50 kg hobbock	-	-
180 kg drum	019143974-0000-10	ARCANOL-MULTITOP-180KG#K

Long grease lifetime even at extreme temperatures!



Excellent wear results for different bearing types!



**Typical applications:**

- Motor vehicles, Rail vehicles, rolling mills, construction machinery, spinning and grinding spindles

**Main properties:**

- High speeds, high loads, low and high temperatures, low noise, low friction

**MULTIPURPOSE: Arcanol MULTI2**



Available containers

Container	SAP no.	Designation
250 g tube	019003471-0000-11	ARCANOL-MULTI2-250G#K
400 g cartridge	019143893-0000-11	ARCANOL-MULTI2-400G#K
1 kg can	038652129-0000-10	ARCANOL-MULTI2-1KG#K
5 kg bucket	019143907-0000-10	ARCANOL-MULTI2-5KG#K
12,5 kg bucket	069455570-0000-10	ARCANOL-MULTI2-12,5KG#S
25 kg hobbock	019143885-0000-10	ARCANOL-MULTI2-25KG#K
50 kg hobbock	-	-
180 kg drum	019143850-0000-10	ARCANOL-MULTI2-180KG#K

Small size 20g tube available!  
**ARCANOL-MULTI2-20G**  
**019143877-0000-10**



**Typical applications:**

- Small electric motors, agricultural and construction machinery, household appliances

**Main properties:**

- Deep groove rolling bearing OD < 62 mm

**MULTIPURPOSE: Arcanol MULTI3**



**Available containers**

Container	SAP no.	Designation
250 g tube	019143940-0000-10	ARCANOL-MULTI3-250G#K
400 g cartridge	016727355-0000-11	ARCANOL-MULTI3-400G#K
1 kg can	038684187-0000-11	ARCANOL-MULTI3-1KG#S
5 kg bucket	038652137-0000-11	ARCANOL-MULTI3-5KG#K
12,5 kg bucket	069455643-0000-10	ARCANOL-MULTI3-12,5KG#S
25 kg hobbock	038652153-0000-10	ARCANOL-MULTI3-25KG#K
50 kg hobbock	–	–
180 kg drum	019143915-0000-10	ARCANOL-MULTI3-180KG#K



**Typical applications:**

- Large electric motors, agricultural and construction machinery, fans

**Main properties:**

- Deep groove rolling bearing OD > 62 mm

**Performance High Load: Arcanol LOAD150**



**Available containers**

Container	SAP no.	Designation
250 g tube	–	–
400 g cartridge	055358152-0000-10	ARCANOL-LOAD150-400G#S
1 kg can	055359159-0000-10	ARCANOL-LOAD150-1KG#S
5 kg bucket	–	–
12,5 kg bucket	069455686-0000-10	ARCANOL-LOAD150-12,5KG#S
25 kg hobbock	–	–
50 kg hobbock	059810025-0000-10	ARCANOL-LOAD150-50KG#S
180 kg drum	094709084-0000-10	ARCANOL-LOAD180-50KG#S

**Typical applications:**

- Machine tools, Slewing rings

**Main properties:**

- High loads, wide speed range, swivel motion

**Performance High Load: Arcanol LOAD220**



**Available containers**

Container	SAP no.	Designation
250 g tube	–	–
400 g cartridge	064741028-0000-10	ARCANOL-LOAD220-400G#S
1 kg can	038652099-0000-10	ARCANOL-LOAD220-1KG#K
5 kg bucket	–	–
12,5 kg bucket	069455724-0000-10	ARCANOL-LOAD220-12,5KG#S
25 kg hobbock	019143761-0000-10	ARCANOL-LOAD220-25KG#K
50 kg hobbock	–	–
180 kg drum	019143745-0000-10	ARCANOL-LOAD220-180KG#K



**Typical applications:**

- Rolling mill plant, rail vehicles

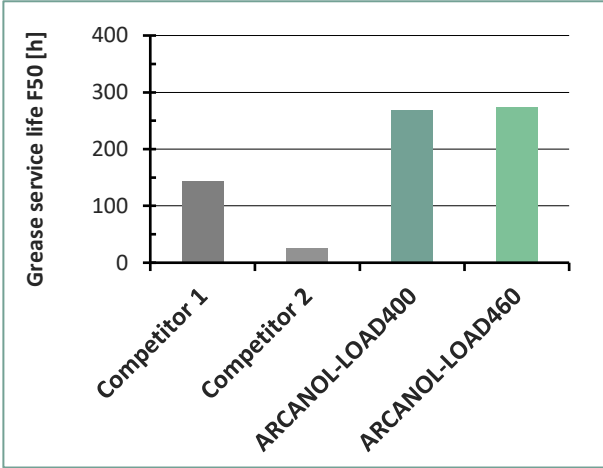
**Main properties:**

- High load, wide speed range, high humidity

## Performance High Load: Arcanol LOAD400



LOAD400 & LOAD460 show potential for extended grease service life.



### Available containers

Container	SAP no.	Designation
250 g tube	-	-
400 g cartridge	019143818-0000-11	ARCANOL-LOAD400-400G#K
1 kg can	038652102-0000-10	ARCANOL-LOAD400-1KG#K
5 kg bucket	019143834-0000-10	ARCANOL-LOAD400-5KG#K
12,5 kg bucket	069455740-0000-10	ARCANOL-LOAD400-12,5KG#S
25 kg hobbock	019143800-0000-10	ARCANOL-LOAD400-25KG#K
50 kg hobbock	019143826-0000-10	ARCANOL-LOAD400-50KG#K
180 kg drum	019143788-0000-10	ARCANOL-LOAD400-180KG#K



### Typical applications:

- Windmill applications, Main bearings

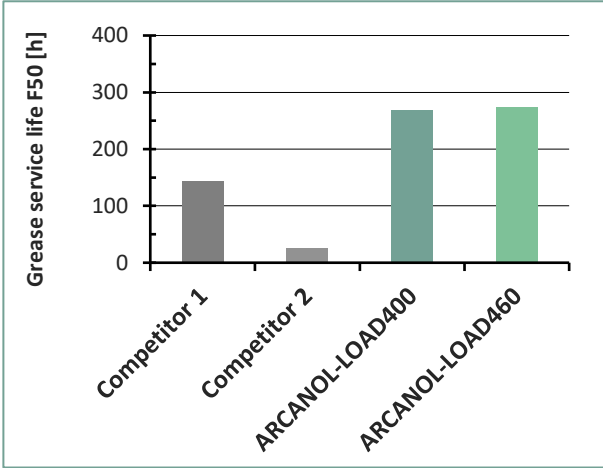
### Main properties:

- Very high loads, moderate temperatures, moderate speeds, shocks, low starting temperature, low friction

## Performance High Load: Arcanol LOAD460



LOAD400 & LOAD460 show potential for extended grease service life.



### Available containers

Container	SAP no.	Designation
250 g tube	-	-
400 g cartridge	065825144-0000-10	ARCANOL-LOAD460-400G#S
1 kg can	065825390-0000-10	ARCANOL-LOAD460-1KG#S
5 kg bucket	065826825-0000-10	ARCANOL-LOAD460-5KG#S
12,5 kg bucket	069455864-0000-10	ARCANOL-LOAD460-12,5KG#S
25 kg hobbock	065827066-0000-10	ARCANOL-LOAD460-25KG#S
50 kg hobbock	065827120-0000-10	ARCANOL-LOAD460-50KG#S
180 kg drum	065827180-0000-10	ARCANOL-LOAD460-180KG#S

### Typical applications:

- Windmill applications, Main bearings

### Main properties:

- Bearings with Pin type cage, excellent water resistance, corrosion protection, false brinelling, vibrations.

**Performance High Load: Arcanol LOAD1000**



**Available containers**

Container	SAP no.	Designation
250 g tube	-	-
400 g cartridge	-	-
1 kg can	-	-
5 kg bucket	019003463-0000-10	ARCANOL-LOAD1000-5KG#K
12,5 kg bucket	-	-
25 kg hobbock	019143729-0000-10	ARCANOL-LOAD1000-25KG#K
50 kg hobbock	066624860-0000-10	ARCANOL-LOAD1000-50KG#S
180 kg drum	019143710-0000-10	ARCANOL-LOAD1000-180KG#K



**Typical applications:**

- Mining machinery, Crusher, construction machinery,

**Main properties:**

- Very high loads, moderate temperatures, low speeds, shock, large bearings



**Performance High Temperature: Arcanol TEMP90**



**Available containers**

Container	SAP no.	Designation
250 g tube	–	–
400 g cartridge	019144172-0000-10	ARCANOL-TEMP90-400G#K
1 kg can	038652188-0000-10	ARCANOL-TEMP90-1KG#K
5 kg bucket	038652196-0000-10	ARCANOL-TEMP90-5KG#K
12,5 kg bucket	–	–
25 kg hobbock	019144164-0000-10	ARCANOL-TEMP90-25KG#K
50 kg hobbock	–	–
180 kg drum	019144148-0000-10	ARCANOL-TEMP90-180KG#K



**Typical applications:**

- Couplings, electric motors, motor vehicles

**Main properties:**

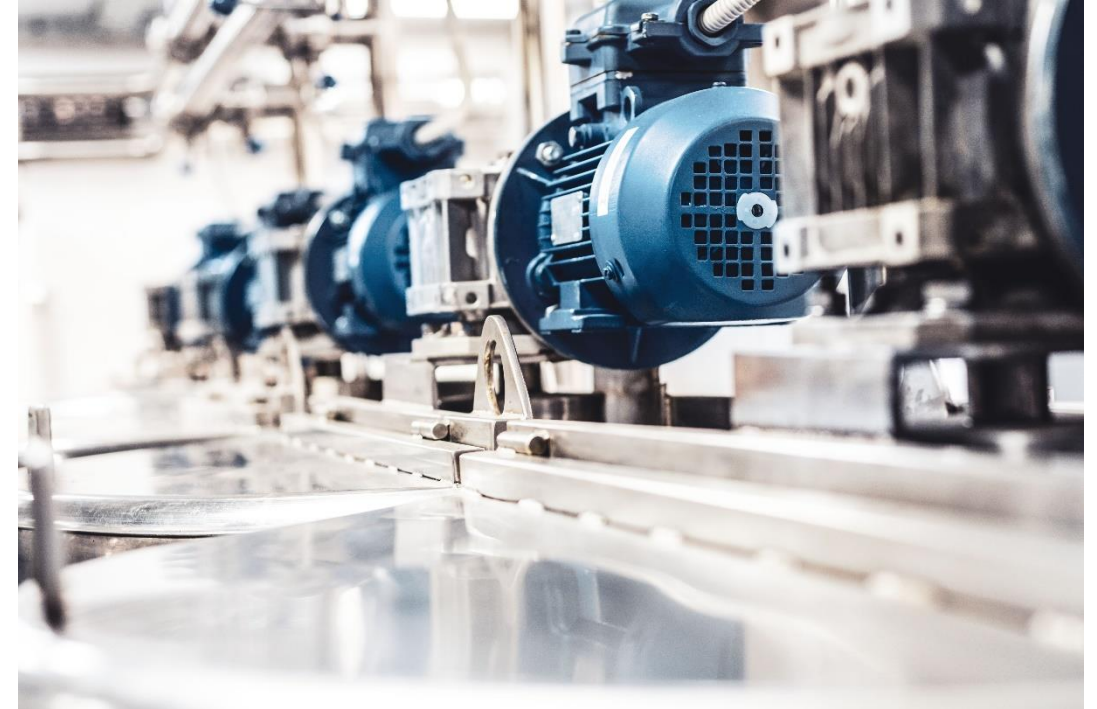
- High temperatures, high loads

## Performance High Temperature: Arcanol TEMP110



**Available containers**

Container	SAP no.	Designation
250 g tube	–	–
400 g cartridge	019144075-0000-10	ARCANOL-TEMP110-400G#K
1 kg can	019144067-0000-10	ARCANOL-TEMP110-1KG#K
5 kg bucket	–	–
12,5 kg bucket	–	–
25 kg hobbock	–	–
50 kg hobbock	038705478-0000-10	ARCANOL-TEMP110-50KG#K
180 kg drum	–	–



**Typical applications:**

- Electrical equipment, motor vehicles

**Main properties:**

- High temperatures, high speeds

**Performance High Temperature: Arcanol TEMP120**



**Available containers**

Container	SAP no.	Designation
250 g tube	-	-
400 g cartridge	089855167-0000-10	ARCANOL-TEMP120-400G#S10
1 kg can	038652200-0000-10	ARCANOL-TEMP120-1KG#K
5 kg bucket	019144113-0000-10	ARCANOL-TEMP120-5KG#K
12,5 kg bucket	-	-
25 kg hobbock	019144105-0000-10	ARCANOL-TEMP120-25KG#K
50 kg hobbock	-	-
180 kg drum	-	-



**Typical applications:**

- Steel industry, continuous casting plants

**Main properties:**

- High temperatures, high loads

**Performance High Temperature: Arcanol TEMP200**



**Available containers**

Container	SAP no.	Designation
70 g tube	038652218-0000-10	ARCANOL-TEMP200-70G#K
400 g cartridge	–	–
1 kg can	019144121-0000-10	ARCANOL-TEMP200-1KG#K
5 kg bucket	–	–
12,5 kg bucket	–	–
25 kg hobbock	–	–
50 kg hobbock	–	–
180 kg drum	–	–



**Typical applications:**

- Track rollers in automatic baking equipment, piston pins in compressors, kiln trucks, chemical plants

**Main properties:**

- Very high temperatures, chemically aggressive environments

**Special requirements: Arcanol SPEED2,6**



**Available containers**

Container	SAP no.	Designation
250 g tube	019144040-0000-10	ARCANOL-SPEED2,6-250G#K
400 g cartridge	062447610-0000-10	ARCANOL-SPEED2,6-400G#S
1 kg can	019144032-0000-10	ARCANOL-SPEED2,6-1KG#K
5 kg bucket	-	-
12,5 kg bucket	-	-
25 kg hobbock	019144059-0000-10	ARCANOL-SPEED2,6-25KG#K
50 kg hobbock	-	-
180 kg drum	-	-



**Typical applications:**

- Machine tools, spindle bearings, instruments

**Main properties:**

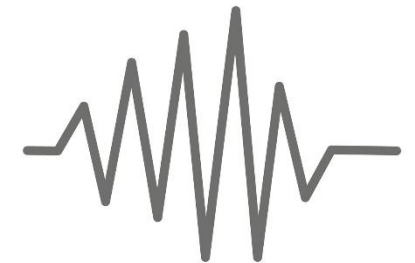
- Very high speed, medium temperatures

## Special requirements: Arcanol VIB3



**Available containers**

Container	SAP no.	Designation
250 g tube	–	–
400 g cartridge	055289568-0000-10	ARCANOL-VIB3-400G#S
1 kg can	038652226-0000-10	ARCANOL-VIB3-1KG#K
5 kg bucket	019144210-0000-10	ARCANOL-VIB3-5KG#K
12,5 kg bucket	–	–
25 kg hobbock	019144202-0000-10	ARCANOL-VIB3-25KG#K
50 kg hobbock	055289746-0000-10	ARCANOL-VIB3-50KG#S
180 kg drum	–	–



**Typical applications:**

- Blade adjusters in wind turbine rotor, vibration transport system, vibration screen

**Main properties:**

- High temperature, high loads, oscillating motions

**Special requirements: Arcanol FOOD2**



**Available containers**

Container	SAP no.	Designation
250 g tube	–	–
400 g cartridge	019143648-0000-10	ARCANOL-FOOD2-400G#K
1 kg can	019143621-0000-10	ARCANOL-FOOD2-1KG#K
5 kg bucket	–	–
12,5 kg bucket	070903069-0000-10	ARCANOL-FOOD2-12,5KG#S
25 kg hobbock	019143630-0000-10	ARCANOL-FOOD2-25KG#K
50 kg hobbock	–	–
180 kg drum	–	–



**Typical applications:**

- Various applications in the food & beverage sector such as handling systems

**Main properties:**

- NSF, Kosher, Halal certified

**Special requirements: Arcanol CLEAN-M**



**Available containers**

Container	SAP no.	Designation
250 g tube	069428611-0000-10	ARCANOL-CLEAN-M-250G#S
400 g cartridge	069429111-0000-10	ARCANOL-CLEAN-M-400G#S
1 kg can	069429154-0000-10	ARCANOL-CLEAN-M-1KG#S
5 kg bucket	-	-
12,5 kg bucket	-	-
25 kg hobbock	-	-
50 kg hobbock	-	-
180 kg drum	-	-



**Typical applications:**

- Semiconductor or flat panel display manufacturing

**Main properties:**

- Low particle emission in rolling applications
- Suitable for moderate vacuum conditions
- High relubrication intervals



**Special requirements: Arcanol MOTION2**



**Available containers**

Container	SAP no.	Designation
250 g tube	080265928-0000-10	ARCANOL-MOTION2-250G#S10
400 g cartridge	080266258-0000-10	ARCANOL-MOTION2-400G#S10
1 kg can	080266339-0000-10	ARCANOL-MOTION2-1KG#S
5 kg bucket	080266673-0000-10	ARCANOL-MOTION2-5KG#S
12,5 kg bucket	080266754-0000-10	ARCANOL-MOTION2-12,5KG#S
25 kg hobbock	080267009-0000-10	ARCANOL-MOTION2-25KG#S
50 kg hobbock	080267157-0000-10	ARCANOL-MOTION2-50KG#S
180 kg drum	-	-



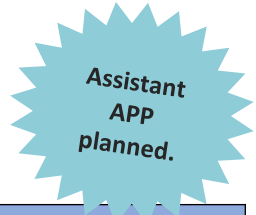
**Typical applications:**

- Slewing rings in Wind Turbines

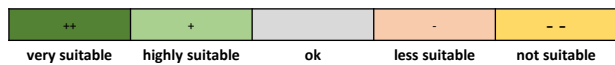
**Main properties:**

- Ball and roller bearings with oscillating operations

# Portfolio summary and selection table



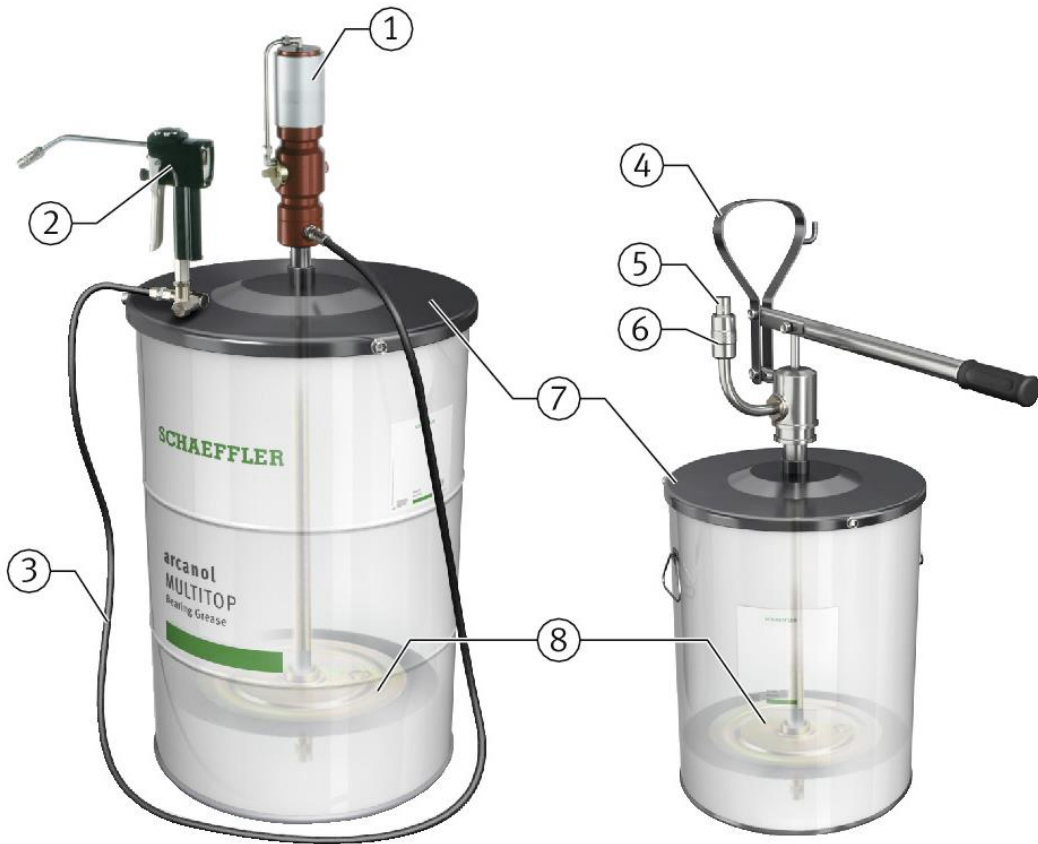
	Multipurpose			Performance High Loads					Performance High Temperature				Performance special requirements				
	MULTITOP	MULTI2	MULTI3	LOAD150	LOAD220	LOAD400	LOAD460	LOAD1000	TEMP90	TEMP110	TEMP120	TEMP200	SPEED2,6	VIB3	FOOD2	CLEAN-M	MOTION2
<i>Base Oil</i>	partl.synth oil	mineral oil	mineral oil	mineral oil	mineral oil	mineral oil	mineral oil	mineral oil	partl.synth oil	partl.synth oil	partl.synth oil	polyether oil	synthetic oil	mineral oil	synthetic oil	ester oil	synthetic oil
<i>Thickener</i>	Lithium	Lithium	Lithium	Lithium complex	Lithium calcium	Lithium calcium	Lithium calcium	Lithium calcium	Polyurea	Lithium complex	Polyurea	PTFE	Lithium complex	Lithium complex	Aluminium complex	Polyurea	Lithium
<i>Base oil viscosity (mm<sup>2</sup>/s at 40 °C)</i>	82	110	110	160	245	400	400	1000	148	130	400	550	25	170	150	103	50
<i>NLGI Class</i>	2	2	3	2	1-2	2	1	2	3	2	2	2	2-3	3	2	2	2
<i>Operating temperature (°C)</i>	-50 ... +140	-30 ... +120	-30 ... +120	-20 ... +140	-20 ... +140	-30 ... +130	-30 ... +130	-20 ... +130	-40 ... +160	-40 ... +160	-30 ... +180	-30 ... +250	-20 ... +140	-30 ... +150	-30 ... +120	-30 ... +180	-40 ... +130
<i>Longtime limit temperature (°C)</i>	+80	+75	+75	+90	+80	+80	+80	+80	+90	+110	+120	+200	+70	+90	+70	+90	+70
<i>Typical applications</i>	Ball and roller bearings, Rolling mills, Construction machinery, Automotive engineering, Spinning and Grinding spindles	Ball bearing upto 62mm OD, Small electric motors, Agricultural machines, Construction machines, Household machines	Ball bearing > 60 mm OD, Large electric motors, Agricultural machines, Construction machines, Ventilators	Ball, Roller, Needle roller bearings, Linear guidance systems in machine tools, Truck wheel bearings	Ball and roller bearings in rolling mills, rail vehicles, paper machinery	Ball and roller bearings, main bearings in wind turbines construction machinery	Ball and roller bearings, main bearings in wind turbines, bearings with pin cages	Ball and roller bearings in mining machinery, construction machinery, cement plants	Ball and roller bearings in clutches, electric motors, automotive engineering	Ball and roller bearings in electrical equipments, automotive engineering	Ball and roller bearings in continuous casting plants, paper machines, dryer section	Ball and roller bearings in guided rollers in baking machines, kiln trucks and chemical plants, piston pins of compressors	Ball bearings in machine tools, spindle bearings, rotary table bearings, instrument bearings	Ball and roller bearings in blade adrusters of wind turbine rotors, packing machinery, rail vehicles	Ball and roller bearings of applications with food contact, NSF-H1 registration, kosher and halal certification	Ball, roller and needle roller bearings as well as linear guidance system in clean room applications	Ball and roller bearings in oscillating operation, slewing rings in wind turbines
<i>Low teperature</i>	++	+	+				+		++	++	+	+	++	+	+	++	++
<i>High temperature</i>	+			+					+	++	++	++		+	-	++	
<i>Low friction, high speed</i>	+			-	-	-	-	--		+		-	++				-
<i>High loads, low speeds</i>				++	++	++	++	++			++	+	--				+
<i>Vibrations</i>	+		+	+	+	+	+	+					-	++			++
<i>Sealing properties</i>			+	+	+	+		+	+		+			+			+
<i>Suitable for relubrication</i>	++	+	+	+	+	+	++	+	+					-	++	+	



## Agenda

- 1 Importance of lubrication
- 2 Value proposition
- 3 Arcanol portfolio & applications
- 4 **Accessories**
- 5 Portfolio update
- 6 Success case
- 7 Useful further information

## Drum pump products | Available for 25kg, 50kg and 180kg sizes



① Pneumatic Pump



② Metering pistol grease gun



③ High pressure hose



④ Manual lever pump



⑤ ⑥ Adapter for Arcalub C1

⑦ Dust cover



⑧ Follower piston



For all accessories  
and details please  
see TPI252:

Lubricators |  
Schaeffler Germany

## Lever grease gun for cartridges



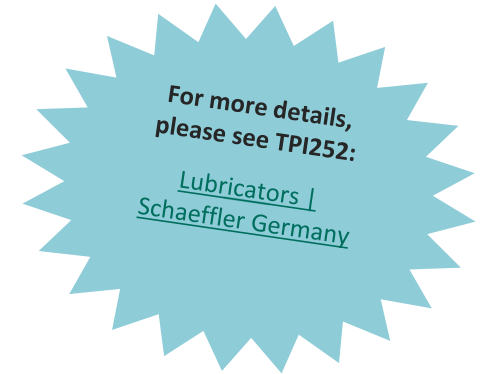
Lever grease gun



- ① Hose for taper nipples to DIN71412
- ② Hose including side coupling for nipples to DIN 3404-16



Example: 400g cartridge Arcanol TEMP90



For more details,  
please see TPI252:

[Lubricators |  
Schaeffler Germany](#)

**Arcanol MOUNTINGPASTE2 and ANTICORROSIONOIL**

**Typical applications:**

- Mounting of bearings, Mounting in general press fit

**Main properties:**

- Protects shaft from fretting corrosion and extends useful life
- High temperature range of -30°C to +150°C
- Non-hazardous and easy handling

Arcanol MOUNTINGPASTE2



Available container	Container	SAP#	Designation
	70g	094099766-0000-10	ARCANOL-MOUNTINGPASTE2-70G
	250g	094099782-0000-10	ARCANOL-MOUNTINGPASTE2-250G
	400g	094099790-0000-10	ARCANOL-MOUNTINGPASTE2-400G
	1 kg	094099812-0000-10	ARCANOL-MOUNTINGPASTE2-1KG

**Typical applications & properties**

- Spray for metal surfaces of devices, machines and machine elements to give long term anti-corrosion protection
- Neutral in behavior towards all conventional rolling bearing greases and oils

Arcanol ANTICORROSIONOIL



Available container	Container	SAP#	Designation
	400ml	019143540-0000-10	ARCANOL-ANTICORROSIONOIL-400G

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# Arcanol Portfolio Updates

## Portfolio Optimization

### New products.

- MOUNTINGPASTE2



### Development under discussion.

- Enhanced FOOD Industry grease portfolio  

- Arcanol „Linear“  

- Arcanol LOAD680  

- Biodegradable grease  
 

### To be phased out

- Arcanol L218
- Arcanol L92
- Arcanol L252 (Will be merged with Arcanol SPEED2,6)
- Arcanol L271 (Will be merged with Arcanol LOAD150)

## Relabeling





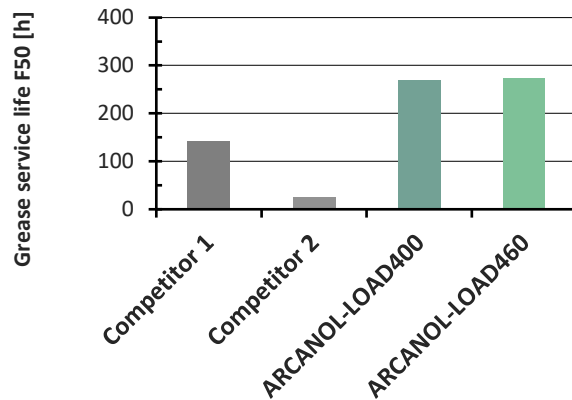
## Agenda

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## Arcanol in wind energy applications: Strong partner for main bearings



Superior performance of Arcanol  
LOAD400 and LOAD460 grease!



- Sales increase >25% in 2020 through wind power in China
  - Strong further sales increase for wind in China planned in 2021
- How come?
- Arcanol recommended by Schaeffler application engineering during the bearing design phase
  - System of bearing and corresponding high performance Arcanol grease suggested to customers

## Review 2020: Schaeffler Arcanol lubricants at a glance



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- 1 Importance of lubrication
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## Lubrication - contacts



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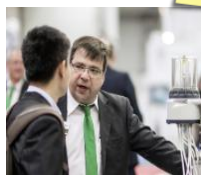
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## Useful links

1. Product Portfolio Arcanol Lubricants (website) :

[Arcanol Rolling Bearing Greases](#) | [Publications](#) | [Schaeffler Group](#)

2. Technical Product Information Arcanol - TPI168 (website):

[Arcanol Rolling Bearing Greases](#) | [Publications](#)

3. Overview Arcanol Lubricants (website):

[Arcanol Lubricants](#)

4. Arcanol - Material Safety Data Sheets (website):

[Arcanol MSDS](#)

5. Arcanol - Technical Data Sheets with product information (website):

[Arcanol Technical Data Sheets](#)

6. Arcanol Lubricants & Lubricator systems (SConnect):

[Lubrication Systems & Arcanol Lubricants EN](#) | [Schaeffler CONNECT](#)

7. Customer Success Story with DONGFANG Electric China / LOAD460 in wind turbines (website):

[Customer project wind turbines](#)

8. Technical product information lubricators (website):

[Lubricators](#) | [Publications](#)

9. Digital Customer Platform and E-commerce channel medias business (website):

[Schaeffler medias](#) | [Product catalogue & consulting platform](#)

10. (Technical) Support and general questions:

[Technical support](#)



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