

## Industrial Lithium Grease EP 2/3 Special for industry

In a large number of cases, both in the industrial and automotive sectors, experience has shown that grease is the only effective means of lubricating and protecting metal parts. To meet specific requirements, Bardahl has developed a grease that is suitable for multiple purposes.

**Bardahl Industrial Lithium** grease is the most successful answer to this need. This grease is a mixture of lithium-based fat with various additives, the most important of which is Bardahl's "Polar-Attraction" formula.

### How it works

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With the world-renowned Extreme Pressure agents and polar-organic compounds, **Bardahl Industrial Lithium** grease is capable of excellent lubrication at high pressures, shocking loads and quite high temperatures, which are far above the normal permissible tolerance of standard products. The grease is excellent to use for lubrication points where water and dirt can get to. The tough protective film, formed by the Bardahl components, will not drain away or be squeezed away under these conditions. This grease guarantees complete protection under a wide variety of conditions, so that the lubrication to be lubricated lasts longer and maintenance costs can be kept to a minimum.

### Characterize

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- Lubrication is exceptional, the powerful lubricating film lubricates even above the drop point of the fat.
- Aging of the grease is very beneficial, without crusting.
- Corrosion effect on copper is virtually nil and usually due to contaminants.
- Freezing point is very low (approx. .)-20°C
- Resistance to water is very good. The fat will absorb small amounts of water or moisture, but will not lose its solidity or be broken down by hydrolysis.

### Applications

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**Lithium Multipurpose EP 2/3 Grease** is successfully used for the lubrication of agricultural machinery, earthmoving equipment, trucks and passenger cars operating under very heavy loads as well as most industrial applications.

- Automotive sector: bearings, chassis, water pumps and all universal lubrication points.
- Industrial sector: central lubrication system, bearings, gears, conveyor belts, chains, etc.
- Transport and Agricultural sector: bearings, chassis, gears, chains, tracks and all universal lubrication points.
- Public works: lubrication points of excavators, cranes, etc.
- Water management: lubrication points of bridges, locks, pumping stations, etc.
- Shipping: lubrication points of all machines and tools present on ships.

**Analysis data**

Test			Results		
Class – Food grade	Method	Unit	Industrial Lithium Grease Special for industry		
NLGI			<b>EP 2/3</b>	EP 00	EP0
Worked Penetration 60 strokes	ASTM D 217		<b>265/295</b>	400/430	355/385
Variation worked Penetration 100.000 strokes		°C	<b>-20 tot+45</b>	-20 tot+45	
Colour		VISUAL	<b>groen</b>	amber	amber
Working temperature grease		°C	<b>-20 / +150°C</b>	-20 / +150°C	25 / +120°C
Texture			<b>Buttery</b>	semi-liquid	
Oil Flash Point		°C	<b>193°C.</b>	190°C.	
Oil Pour Point		°C	<b>-20,5°C.(-5°F.)</b>	-25°C.	
Water washout at 80°C.	ASTM D 1264	%	<b>2%</b>		
Copper strips (3 hours at 100°C.)	ASTM D-130		<b>1a</b>	1a	1b
Anti-corrosion resistance	ASTM D 1743		<b>1</b>	1	
Corrosion test copper (144 hours at 100°C.)			<b>neg.</b>	neg.	
SHELL 4 Ball Test	ASTM D 2596	kg	<b>&gt;400 kg</b>	>250kg.	>250kg
Test SKF - R2F			Results		
-Lubrication			<b>Very good</b>	Very good	
-Oil separation			<b>Almost to none</b>	Almost to none	
-Rotation			<b>good</b>		
Rotation test at 10.000 RPM			<b>8 to 12 points</b>		
Rotation test at 100.000 RPM			<b>25 to 35 points</b>		
Oxidation stability (PSI loss in 100 hours)	ASTM D 942		<b>5</b>	5	
Dropping point	ASTM D 566	°C	<b>188°C</b>	162°C	>170°C
Welding Load, kg. Medium Herz Load		kg	<b>60</b>	60	
Timken test, OK LB,min	ASTM D 2509		<b>50</b>	50	
Type soap			<b>lithium</b>	lithium	lithium

**Specifications**

Approved by NATO  
NSN nr 9150-17-100-7853  
DIN 51502



**Industrial Lithium Grease 2/3**

**Article number** 74004  
**Content** 400 gr

**Article number** 74005  
**Content** 500 gr

**Article number** 74055  
**Content** 5 kg

**Article number** 74082  
**Content** 20 kg

**Article number** 74085  
**Content** 50 kg