

Multi Service Grease

Bardahl Multi Service Grease is a universal grease specially developed for the automotive, transport, leisure and d.h.z. sectors. This grease fully meets the requirements that this sector places on a grease. **Bardahl Multi Service Grease** is a grease composed of high-quality base oils with a lithium soap as a thickener and a balanced package of additives.

This grease is reinforced with special additives so that it lasts longer than conventional fats. Its exceptionally adhesive properties ensure that it withstands all weather conditions. Thanks to the various anti-corrosion components, this grease ensures optimal protection against rust.

How it works

With the special high-pressure components and polar-organic compounds, **Bardahl Multi Service Grease** is capable of excellent lubrication at high pressures, shocking loads and fairly high temperatures, which are far above the normal 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 parts to be lubricated last longer and maintenance costs can be kept to a minimum.

- Lubrication is exceptional, the powerful lubricating film lubricates even above the drop point of the fat.
- Aging of the fat 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 water, but will not lose its solidity or be broken down by hydrolysis.

Properties

- Highly adhesive to metal surfaces.
- Excellent protection against corrosion.
- This grease reduces the number of lubrications and thus also the consumption.
- Very good mechanical resistance to high loads (extreme pressure), to friction and to humidity.
- Very good resistance to oxidation and wear.
- Particularly suitable at very low temperatures, because the fat is still pumpable.

Application

This grease can be used for the lubrication of ball and roller bearings and wheel hubs. It is also suitable for the lubrication of universal joints and chassis pivot points of vehicles.

Analysis data

Test			Results
NLGI	Method	Unit	EP 2/3
Worked Penetration 60 strokes	ASTM D 217		265/295
Colour			green
Texture			Buttery
Oil Flash point		°C, °F	193°C. (380°F)
Oil Pour Point		°C, °F	-20,5°C.(-5°F)
Water washout at 80°C	ASTM D 1264	%	2
Copper strips (3 hours at 100°C)	ASTM D – 130		1a
Anti-corrosion resistance	ASTM D 1743 °C		1
Corrosion test copper (144 hours at 100°C)			neg.
SHELL 4 Ball Test	ASTM D 2596	kg	>400

Analysis data

Test SKF - R2F			Results
NLGI	Method	Unit	EP 2/3
-Lubrication			very good
Oil separation			almost none
-Rotation			good
Rotation test at 10.000 RPM			8 to 12 points
Rotation test at 100.000 RPM			25 to 35 points
Oxidation stability (PSI loss in 100 hours)	ASTM D 942		5
Dropping point	ASTM D 566	°C	188
Welding Load, kg. Medium Herz Load		kg	60
Timken Test, OK LB, min	ASTM D 2509		250
Type soap			lithium

Analysis data

Test			Results	
NLGI	Method	Unit	EP 2/3	EP 00
Worked Penetration 60 strokes	ASTM D 217		265/295	400/430
Colour			groen	amber
Texture			boterachtig	semi-liquid
Oil Flash point		°C, °F	193°C. (380°F)	190°C.
Oil Pour Point		°C, °F	-20,5°C. (-5°F)	-25°C
Water washout at 80°C	ASTM D 1264	%	2	
Copper strips (3 hours at 100°C)	ASTM D – 130		1a	1a
Anti-corrosion resistance	ASTM D 1743 °C		1	1
Corrosion test copper (144 hours at 100°C)			neg.	neg.
SHELL 4 Ball Test	ASTM D 2596	kg	>400	>250kg

Analysis data

Test SKF - R2F			Results	
NLGI	Method	Unit	EP 2/3	EP 00
-Lubrication			very good	very good
Oil separation			almost none	almost none
-Rotation			good	-
Rotation test at 10.000 RPM			8 to 12 points	-
Rotation test at 100.000 RPM			25 to 35 points	-
Oxidation stability (PSI loss in 100 hours)	ASTM D 942		5	5
Dropping point	ASTM D 566	°C	188	162°C
Welding Load, kg. Medium Herz Load		kg	60	60
Timken Test, OK LB, min	ASTM D 2509		250	250
Type soap			lithium	lithium

Multi Service Grease

Article number 54701
Content 100 gr

Article number 54705
Content 500 gr