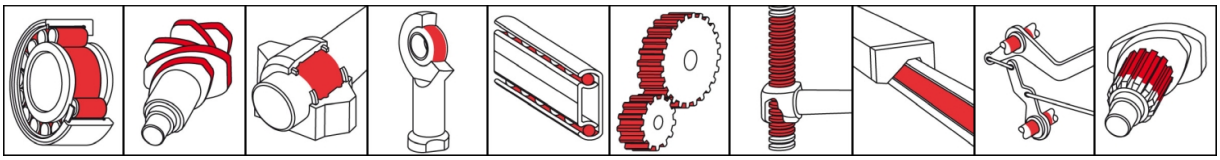
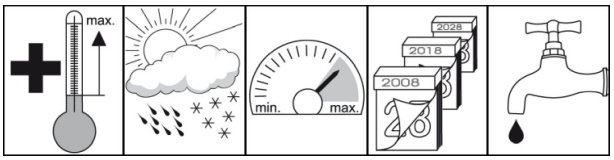
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 422
Universal Grease for Long-Life Lubrication





Description

Fully synthetic high-performance grease for long-term lubrication of machine elements at high temperatures, speeds and loads.

Applications

- Lubrication of roller and plain bearings as well as of threaded spindles, gearwheels, worms and similar components
- Lubrication of spindle bearings in machine tools

Branches

- Rubber and plastic processing
- Shipbuilding and marine technology
- Logistics
- Chemical industry
- Glass and foundry industry
- Paper and packaging industry
- Rail vehicle technology
- Plant and machine (tool) engineering
- Municipal services
- Iron and steel industry

Advantages and benefits

- Allows high machine service lives due to low-wear operation and low lubrication frequencies
- Outstanding resistance in a wide temperature range, at high stresses and surface slide speeds as well as at vibrations
- Resistant to cold and hot water
- Excellent wear protection

Application tips

For highest effectiveness carefully clean the lubrication point, for example with OKS 2610/OKS 2611 universal cleaner. Before filling a bearing for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill normal bearings up to about 1/3 of the free space inside the bearing, high-speed bearings (DN value above 400,000) up to about 1/4. Low-speed bearings (DN value below 50,000) and their housings should be filled completely. In as far as available, the bearing and machine manufacturer's instructions should be observed. Subsequent lubrication at the lubrication nipples by grease gun or by automatic lubrication system. Assess the lubrication frequency and quantity on basis of service conditions. If old grease cannot be removed, restrict the quantity of grease so as to avoid overlubricating the bearing. If lubrication frequencies tend to be low, you should aim for a full grease change. Caution: Only mix with suitable lubricants.

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Packaging

- 400 ml Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock
- 180 kg Drum

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyalphaolefine
thickener				barium-complex soap
Application related technical data				
marking	DIN 51 502	DIN 51 825		KPHC2N-40
Viscosity base oil	DIN 51 562-1	at 40°C	mm^2/s	50
Viscosity base oil	DIN 51 562-1	at 100°C	mm^2/s	8
pour point	DIN ISO 3016	3°C step	°C	> -65
flashing point	DIN ISO 2592	> 79	°C	268
drop point	DIN ISO 2176		°C	230
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
worked penetration	DIN ISO 2137	60DH	0.1 mm	265-295
flow pressure	DIN 51 805	-35°C	mbar	< 550
oil separation	DIN 51 817	18h/40°C	percent in weight	< 0.7
lower operating temperature	DIN 51 805	≤ 1,400 hPa	°C	-40
upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100h	°C	140
maximal operating temperature			°C	200
colour				light-coloured
density	DIN EN ISO 3838	at 20°C	g/cm^3	0.95
water resistance	DIN 51 807-1	3h/90°C	Degree	0-90
DN value (dm x n)			mm/min	800,000
four-ball test rig welding load	DIN 51 350-4		N	3,400
four-ball test rig wear	DIN 51 350-5		mm	0.6
SKF-EMCOR	DIN 51 802		corr. degree	≤ 1
Product specific technical data				
apparent dynamic viscosity	DIN 51 810	D 300s-1, ni and ne	mPa s	5,000
Properties and approvals				
UFI				8GA9-1043-N00K-M3N2

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