

Bechem Lubricants for cement and open cast Mining

Technical Data

Application



Product	Short description	Temp. - range	Properties	
BECHEM SEILSTAR	Light-coloured fluid for corrosion protection and conservation. Suitable for all types of wires, hardly dust absorbing, water repellent.	-20°C to +100 °C	Long-term corrosion protection, excellent adhesion, very good wetting and penetration performance.	Applicable as corrosion protection of all types of wires, gears, springs, tools and small ferrous parts, and others.
BECHEM STAROIL G	Standard gear oil based on mineral oil, type CLP, available from ISO VG 68 to 1000.	-20°C to +100°C and -10°C to +130°C	Good oxidation and aging stability, good load carrying capacity, good wear protection, excellent precipitation of water and air, good viscosity/temperature performance.	EP gear oil for heavily loaded gears and worms gears, roller and plain bearings of various machine types.
BERUGEAR GS BM	Special gear oil with PD-additives for heavily loaded or damaged gears, available from ISO VG 100 to 1500.	-20°C to +120°C and 0°C to +130°C	Also applicable as running-in oil under heavy loads. Provides excellent load carrying capacity and wear protection, reduced oil sump temperature and power loss by lower friction value, excellent corrosion protection.	Heavily loaded spur gears, bevelled gears and worm gears. Gears with damaged or extremely loaded teeth.

<p>BERUGEAR HV</p>	<p>Light-coloured service fluid which is free of solid lubricants. Extremely high viscosity allows application by spraying and dipping.</p>	<p>0°C to +120°C</p>	<p>Extremely adhesive and pressure resistant lubrication film, excellent wear protection, lube film will not brittle or harden, free of bitumen, solvents and heavy metals. BERUGEAR HV is suitable for extended lubrication intervals and reduced consumption. Available in various base oil viscosities.</p>	<p>Open gear drives of ball mills, rotary kilns, rotary barrel mixers and dryers with a high width/diameter ratio and/or very long re-lubrication intervals. Also suitable for gears provided with wheels for dip lubrication.</p>
<p>BERULIT GA</p>	<p>Graphite containing service lubricant based on aluminium complex soap. Suitable for heavily loaded gear drives. Preferred application by automatic spray systems.</p>	<p>-20°C to +140°C and +5°C to +180°C</p>	<p>Thermal stability between -30°C and 250°C. Excellent adhesion, lube film resists high pressure, very good wear protection, lube film will not brittle or harden. BERULIT GA is free of bitumen, solvents and heavy metals, contains graphite and is available in various base oil viscosities.</p>	<p>Open gears of ball mills, rotary kilns, rotary barrel mixers and dryers. Rotating assembly of converters, cranes, crushers and excavators with spray lubrication or central lubrication systems. Also suitable for extremely loaded gear couplings.</p>
<p>BERULIT IKP</p>	<p>Graphite containing EP chain oil available in ISO VG 100, suitable for slow-running, heavily loaded conveyor chains with big links.</p>	<p>-20°C to +160°C</p>	<p>Good corrosion and wear protection, high load carrying capacity, low dust absorption. Very good emergency running properties, resistant to aging, very low formation of residues, free of solvents.</p>	<p>Large chains, guide and cam rollers operating in dusty environment. Chains of crushers and conveyors used in mining, ore and coal dressing.</p>
<p>BERULUB VPN 13 Ringlub</p>	<p>Synthetic high-temperature fluid applicable on very hot</p>	<p>-30°C to +1150 °C</p>	<p>High content of solid lubricants, good adhesion, excellent wear protection.</p>	<p>Service lubrication of loose ball races in rotary kilns and dryers. Heavily loaded big-linked chains and guide</p>

	surfaces where a high content of solid lubricants is required. As fluid applicable up to 200°C.		Does not form any hard residues and does not tend strong smoke formation even in case of very hot surfaces. BERULUB VPN 13 Ringlub is free of solvents and heavy metals, it is applicable by hand spraying units.	slide bearings.
BERUMOLY P 65	EP chain oil containing MoS ₂ , available in ISO VG 5, suitable for conveyor chains with small links.	-40°C to +110 °C	Very good corrosion protection, low dust absorption, water repellent, excellent wetting and penetration performance.	Conveyor chains with small links used in dusty environments. Filling system for dusty goods.
BERUPLEX CS 2 EP	Mineral oil based high-temperature NLGI 2 grease for high temperature applications.	-25 °C to + 140 °C	Excellent thermal stability, good wear and corrosion protection, very good pumpability in central lubrication systems.	Universal lubricant for roller and plain bearings operating at high thermal loads, e.g. cooling units and conveyors.
BERUPLEX KS 22	Mineral oil based high-temperature NLGI 1-2 grease based on an extremely stable special calcium complex soap.	-30°C to +150 °C, with re-lubrication up to +180 °C	Excellent thermal stability, high wear protection, good pumpability, excellent water resistance and adhesion, very good sealing capability.	Roller and plain bearings operating at high temperatures and/or under influence of water. For the lubrication of heavy machines working under open air conditions.
BERUSYNTH EP	Synthetic gear oil based on polyglycol, type CLP PG, available from ISO VG 68 to 1000.	-30°C to +140°C and -25°C to +180°C	Provides excellent oxidation and shear stability, excellent load carrying capacity and wear protection, extended oil changing intervals, reduced friction coefficient resulting in lower sump temperatures and reduced power loss, very high viscosity index.	Heavily loaded spur gears, bevelled gears and spiral gears as well as worm gears. Roller and plain bearings and gears constantly operating at temperatures above 100°C.

<p>BERUSYNTH GP</p>	<p>Synthetic gear oil based on polyalphaolefine, type CLP HC, available from ISO VG 68 to 1000.</p>	<p>-50°C to +140°C and -30°C to +180°C</p>	<p>Provides excellent oxidation and shear stability, excellent load carrying capacity and wear protection, extended oil changing intervals, reduced friction coefficient resulting in lower sump temperatures and reduced power loss, very high viscosity index.</p>	<p>Heavily loaded spur gears, bevelled gears and spiral gears as well as worm gears. Roller and plain bearings and gears constantly operating at temperatures above 100°C.</p>
<p>BERUTOX FH 28 KN</p>	<p>Fully synthetic high-temperature NLGI 1-2 grease for extreme thermal loads, corrosive influences. Suitable for all sliding speeds tolerable for grease lubrication.</p>	<p>-30 to +180°C (Peak 200°C)</p>	<p>Excellent temperature - consistency performance. Does not form any hard deposits, excellent corrosion and wear protection.</p>	<p>Bearings of annealing, drying and rotating furnaces, cooling, hot air and exhaust gas fans, slide valves and other applications where bearings are exposed to extreme heat and aggressive media.</p>
<p>HIGH LUB FA 40 MO</p>	<p>Special NLGI-2 grease with solid lubricants and increased base oil viscosity. It is suitable for severe operations, especially for slow running and shock loaded bearings at all sliding speeds tolerable for grease lubrication.</p>	<p>-20°C to +120 °C</p>	<p>Combination of solid lubricants and EP-additives. Reliable corrosion and wear protection, good worked stability even in case of water absorption.</p>	<p>Roller and plain bearings generally used in industry, mining and cement industry. Main bearings of rotating assemblies of surface mining and construction machinery. Bearings of pinion shafts, reciprocating screens, crushers and drive shafts.</p>
<p>HIGH LUB FA 50 MO</p>	<p>Special NLGI-2 grease with solid lubricants and a very high base oil viscosity. It is suitable for severe operations, especially for slow running and shock loaded bearings.</p>	<p>-20°C to +120 °C</p>	<p>Combination of solid lubricants and EP-additives. Reliable corrosion and wear protection, good worked stability even in case of water absorption.</p>	<p>Roller and plain bearings generally used in industry, mining and cement industry. Main bearings of roller presses, vertical roller mills. Main bearings of rotating assemblies of surface mining and construction machinery. Bearings of pinion shafts, reciprocating screens, crushers.</p>

HIGH LUB FA 67	Special grease without solid lubricants in various base oil viscosity grades for heavily loaded bearings.	-30°C to +120 °C and -20°C to +130°C	EP-additives, reliable corrosion and wear protection, good worked stability even in case of water absorption.	Suitable for long term lubrication of heavily loaded and fast running roller bearings, even under strong influence of water. Bearings of blowers, fans and conveyors.
HIGH LUB LT 2 EP	Standard EP-grease without solid lubricants for heavily loaded bearings. Excellent pumpability in central lubrication systems. Available in various NLGI-grades.	-20°C to +120 °C (Peak +140 °C)	EP-additives, reliable corrosion and wear protection, good worked stability even in case of water absorption.	Roller and plain bearings generally used by the industry, mining and the cement industry. Rollers of conveyors, bearings of electric motors, fans, roller bearings of axes, for-life lubricated car bearings. Well suitable for central lubrications systems of various machine types.

The above data correspond to latest technology, modifications reserved. This information is intended as a guide and does not necessarily represent a marketing specification. In individual cases tests have to be carried out by the consumer. Further data upon request.