

POWERMAGX LUBE INDIA

MINING, EARTHMOVING & QUARRY INDUSTRY

Heavy-Duty & High Performance Speciality Lubricants for Mining & Quarry Industry Processing Equipment.

- Synthetic and Petroleum-Based
- Heavy-Duty Multi-Purpose Greases & Gear Oils
- Open Gear Greases
- Heavy-Duty Hydraulic Oils
- Specialty Lubricants
- Motor Oils and
- Transmission Fluids

Increasing Plant & Equipment Reliability, Sustainability for Value & Creating Cost Savings all along with Process. Non-bituminous, Non-toxic additive & Environment Eco-friendly lubricants

MINING, EARTHMOVING & QUARRY INDUSTRY PROCESSING

APPLICATION / EQUIPMENT	FEATURES / BENEFITS & ADVANTAGES	POWERMAGX RECOMMENDED SOLUTION
Equipment Process Equipment / Mobile Equipment		
Open Gear	Synergetic heavy duty open gear & rotary mills grease with high purity graphite and extreme pressure additives that help prevent excessive wear, squeeze out & ratio change. Withstand high shock loads and pressures.	G-ALX HTXX-0-00 2500 HD (Aluminum-Complex + Graphite)
	Synergetic premium grade spray able fluid for heavy duty open gear & rotary mills that prevents scoring, scuffing, galling, clawing, pitting, sliding and slipping.	OGL 18K FLUIDPRESS HD (Heavy duty & Biodegradable Fluid)
Enclosed Gear (Gear Box)	High temperature synthetic gear oils with good AW and EP characteristics. Protects against oxidation, foaming and high temperature deposits.	SYNTHETIC HD TECHGEAR EP GL-5 - 150, 220, 320, 460 (PAO Based)
	Advanced micropitting protection synergetic gear oil formulated with ultra-high performance EP additive and high quality synergetic base oil. Protects against oxidation, foaming, high temperature deposit & heavy-duty gear boxes operating in harsh conditions.	MPR GEARMAX - 150, 220, 320, 460 (Micro-Pitting Resistance)
Bearings	Synergetic lithium complex high temperature grease with moly and EP/AW additives, high shock loads & water resistant grease with good shear stability for multifunctional applications.	MOLY 777 LCX-2 460 HD (Semi Synthetic Heavy Duty Grease)
	Heavy duty synergetic high temperature lithium complex grease with EP/AW, high shock loads & water resistant grease with good shear stability for multifunctional applications	SYNTH HT LCX-2 460 HD (special heavy duty grease)
Gear Couplings	Synergetic lithium & lithium complex high temperature grease with moly and EP/AW additives, high shock loads & water resistant grease with good shear stability for multifunctional applications.	MOLEX EP-2 HD / MOLY HT LCX-220 PLUS HD
Blower bearings	Long life synergetic polyurea high temperature grease with good pumpability extended re-lubrication intervals, water resistance, corrosion protection in plain & anti-friction bearings	SYNTH POLYTHERM -2 460
Electric Motor	Long life synergetic high temperature grease with extended relubrication intervals for high speed applications.	SYNTH POLYTHERM-2.5 100/ PD UNIRAX N-3
Wire Rope	Water repellent film, extends wire rope, chain & cable life, protection against corrosion caused by wet, adverse weather conditions and sea water	WR HTXX-1 460
		WR HTXX-00 460
Drill Rod	Heavy duty synergetic high temperature lithium complex grease with EP/AW, high shock loads & water resistant grease with good shear stability for multifunctional applications	SYNTH HT LCX-1 460 HD (special heavy duty grease)

	High air flow pneumatic drilling equipment operating in heavy duty service environments.	ROCK DRILL OIL - 100
Hydraulics & Excavator Hammer, Breakers, Pins & bushings	Structural stability, resistance to water washout and effective protection from wear and corrosion, extremely low coefficient of friction even under extreme pressures	HT 800 CHISEL PASTE
Pastes For Anti Seize	Copper based high performance antiseize compound for maintaining the creeping, protects against carbon fusion, minimizes parts replacement costs, enables faster disassembly when repairs are needed	COPAZ-B2 (Copper Anti-Seize Paste)
Air compressors	Excellent heat conduction properties & separation from air and minimum foaming tendency in critical high temperature areas	SYNTH AIR COMPRESSOR OIL-46, 68, 100, 150, 220 (Synthetic)
Equipment Stone Crusher Bearings		
Cone & Conveyor (Enclosed Gear Box)	High temperature synthetic gear oils with good AW and EP characteristics. Protects against oxidation, foaming and high temperature deposits.	SYNTHETIC HD TECHGEAR EP GL-5 - 150, 220, 320, 460 (PAO Based)
	Advanced micropitting protection synergetic gear oil formulated with ultra-high performance EP additive and high quality synergetic base oil. Protects against oxidation, foaming, high temperature deposit & heavy-duty gear boxes operating in harsh conditions.	MPR GEARMAX - 150, 220, 320, 460 (Micro-Pitting Resistance)
Jaw Crusher & Conveyor Roller Bearings	Synergetic & mineral based lithium & lithium complex grease with EP/AW additive, water resistant with good shear & mechanical stability. Reduced wear under heavy shock loads and vibration for good equipment reliability and availability for multifunctional applications	SPECIAL EP CRUSHER 2.5 HD
		EP, EPL-2, LANTEX EP-2, AP3, EP-3, MP3 LONGLIFE, LONGLIFE GEL XL-3
Cone Crusher	Synergetic lithium complex high temperature grease with moly and EP/AW additives, high shock loads & water resistant grease with good shear stability for multifunctional applications	MOLY 777 LCX-2 460 HD
VSI (Vertical Shaft Impactor)	Synergetic lithium complex high temperature grease with extremely passive film on friction surfaces forming a stable lubricant film to withstand, oxidation & mechanical stability, high shock loads, high protection by minimizing metal-to-metal contact and reduces friction	PD-2 SYNTH
Vibrating Screen	Synergetic lithium complex high temperature grease with moly and EP/AW additives, high shock loads & water resistant grease with good shear stability for multifunctional applications	SYNTH HT LCX-2 460 HD / MOLY 777 LCX-2 460 HD
POWER GENERATION		
Air compressors	Excellent heat conduction properties & separation from air and minimum foaming tendency in critical high temperature areas	SYNTH AIR COMPRESSOR OIL-46, 68, 100, 150, 220 (Synthetic)
Turbines	Rust and corrosion protection & Rapid water separation keeps water in oil to a minimum	TURBINE OIL - 46 & 68
(Earth Moving Equipments & On-Road Vehicles)		
Hydraulics & Excavator Hammer, Breakers, Pins & bushings	Structural stability, resistance to water washout and effective protection from wear and corrosion, extremely low coefficient of friction even under extreme pressures	HT 800 CHISEL PASTE
Diesel Engine Oil	Protects against oxidation, foaming, and high temperature deposits and bore polishing, extremely high control over soot, wear, rust and corrosion to reduce the engine servicing. Extended drain interval capability fewer oil changes and less oil disposal	SYNTH ENGINE OIL: CJ-4/SN, CK-4, CJ-4, CI-4+ 15W40, 10W40, 10W30, (Synthetic & Semi-Synthetic Gasoline & Diesel Engine Oil)
Transmission and Drivetrains System	Effective control of engine wear, varnish, deposits and sludge for cleaner engines, Maintain consistent oil film strength for optimum power output and minimize oil consumption.	TRANS SAE 10W/30/40/50/80W (UTTO), TQ-ATF D-III

Automotive Gears and Axles	Protects inhibits rust, corrosion, foaming and wear to protect against premature bearing failure and gear tooth wear, protection against surface stress & excellent load carrying ability	GEAR OIL GL-5 80W90, 140, 85W140, SYNTHETIC GEAR OIL: 75W80, 75W90, 75W140
Hydraulic System	Low foaming, anti-wear protection, corrosion & rust protection, Demulsification air release & filterability performance extended equipment life & Seal compatibility	HYDRO AW, HLP, HVI & Zinc Free
Bearing Greases: Pin / Bushes / Plain & Rolling / Hub & wheel bearings	Synergetic & mineral based lithium & lithium complex grease with EP/AW additive, water resistant with good shear & mechanical stability. Reduced wear under heavy shock loads and vibration for good equipment reliability and availability for multifunctional applications	LONGLIFE GEL XL-3, MP3 LONGLIFE, AP3, PD LCX-3, PD LCX-222 MOLY 777 LCX-2 460 HD,

PRODUCT SPECIFICATIONS

GREASE SPECIFICATIONS

Product	Thickener / Base Oil Type	Viscosity @ 40°C cSt	NLGI	Drop Point °C	Operating Temp°C
EP, EPL-2, LANTEX EP-2, AP3, EP-3, MP3 LONGLIFE	Special Lithium / Mineral	130 to 180	2 / 3	+ 190	-10 to 130
SPECIAL EP CRUSHER 2.5 HD	Special Lithium / Mineral	220	2.5	+220	-10 to 140
LONGLIFE GEL XL-3,	Lithium Complex / Mineral	150	2	+265	-20 to 160
PD-2 SYNTH	Lithium Complex / Synergetic	100	2	+265	-20 to 160
PD Unirax N-3	Lithium Complex / Synergetic	100	3	+265	-20 to 160
PD LCX-3	Lithium Complex / Synergetic	220	3	+265	-20 to 160
PD LCX-222	Lithium Complex / Synergetic	220	2	+265	-20 to 160
SYNTH HT LCX-1 460 HD	Lithium Complex / Synergetic	460	1	+265	-20 to 160
SYNTH HT LCX-2 460 HD	Lithium Complex / Synergetic	460	2	+265	-20 to 160
MOLEX EP-2 HD	Lithium + Moly/ Synergetic	220	2	+190	-20 to 140
MOLY HT LCX-220 PLUS HD	Lithium Complex + Moly / Synergetic	220	2	+265	-20 to 160
MOLY 777 LCX-2 460 HD	Lithium Complex / Synergetic	460	2	+265	-20 to 160
G-ALX HTXX-0-00 2500 HD	Aluminum Complex / Synergetic	2500	0/00	+280	-20 to 180
SYNTH POLYTHERM -2 460	Polyurea / Synergetic	460	1	+280	-20 to 180
SYNTH POLYTHERM-2.5 100	Polyurea / Synergetic	100	2.5	+280	-20 to 180
WR HTXX-1 460	Bentonite clay /Mineral	460	1	+320	-20 to 160
WR HTXX-00 460	Bentonite clay /Mineral	460	00	+320	-20 to 160
HT 800 CHISEL PASTE	Special Metal Complex / Mineral	1000	2	None	-20 to 1100

COPAZ-B2 (Copper Anti-Seize Paste)	Special Metal Complex / Mineral	1000	2	None	-20 to +1200
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OIL SPECIFICATIONS

Product	Base Oil Type	Base Oil Viscosity @ 40°C cSt	Copper Corrosion	Pour Point °C	Flash Point °C
OGL 18K FLUIDPRESS HD	Synergetic	18000	1b	-10	+200
SYNTHETIC HD TECHGEAR EP GL-5	Fully Synthetic	150/220/320 /460/680	1b pass	-45	250
MPR GEARMAX (Micro-Pitting Resistance)	Synergetic	150/220/320 /460/680	1b pass	-19	240
HYDRO AW, HLP, HVI & Zinc Free	Mineral	46 / 68 / 100	--	-39	240
GEAR OIL GL-5 80W90, 140, 85W140,	Mineral	190 to 430	1b pass	-18	225
SYNTHETIC GEAR OIL: 75W80, 75W90, 75W140	Fully Synthetic	9 to 15	1b pass	-45	232
SYNTH ENGINE OIL: CJ-4/SN, CK-4, CJ-4, CI-4+ 15W40, 10W40, 10W30	Synergetic	80 - 120	--	-30	235
TRANS SAE 10W/30/40/50/80W (UTTO), TQ-ATF D-III	Mineral	30 to 130	--	-45	+255
SYNTH AIR COMPRESSOR OIL	Fully Synthetic	32/46/68/ 100/150/220	1a	-50	260
ROCK DRILL OIL	Mineral	32/46/68/100/ 150/220/320/460	4c	-28	220
TURBINE OIL	Mineral	46 & 68	1b pass	-24	240