

POWERMAYX LUBE INDIA

PAPER & PULP INDUSTRY

High Performance Speciality Lubricants for Paper & Pulp Industry Processing Equipment
Increasing Plant & Equipment Reliability, Sustainability for Value & Creating Cost Savings all
along with Process. Non-bituminous, Non-toxic additive & Environment Eco-friendly lubricants

PAPER & PULP INDUSTRY PROCESSING

APPLICATION / EQUIPMENT	FEATURES / BENEFITS & ADVANTAGES	POWERMAYX RECOMMENDED SOLUTION
DEBARKING		
Bearings	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
	Heavy duty long life synergetic high temperature lithium calcium grease with multifunctional extreme pressure, high load, water resistant with good shear stability, pumpability for multifunctional applications	LICAM EP-2 460 HD
Open Gears	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.	ALX HTXX-2 2500 HD
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
Chipping		
Bearings	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
	Heavy duty long life synergetic high temperature lithium calcium grease with multifunctional extreme pressure, high load, water resistant with good shear stability, pumpability for multifunctional applications	LICAM EP-2 460 HD
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
Pulping		
Bearings	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
	Heavy duty long life synergetic high temperature lithium calcium grease with multifunctional extreme pressure, high load, water resistant with good shear stability, pumpability for multifunctional applications	LICAM EP-2 460 HD
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
Electric Motor	Long life synergetic high temperature grease to perform long life under high speed extended re - lubrication intervals	SYNTH POLYTHERM-2.5 100/ PD UNIRAX N-3
Open Gears	Synergetic open gear grease with high purity graphite and especially 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
Fan 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
Digesting / Pulp / Washing / Bleaching		

Bearings	Heavy duty long life synergetic high temperature lithium calcium grease with multifunctional extreme pressure, high load, water resistant with good shear stability, pumpability for multifunctional applications	LICAM EP-2 460 HD
Enclosed Gear Boxes	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)
Screening		
Bearings	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 /
	Heavy duty long life synergetic high temperature lithium calcium grease with multifunctional extreme pressure, high shock loads, water resistant with good shear stability, pumpability for multifunctional applications	LICAM EP-2 460 HD
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
Paper Machining (Wet End / Dry End)		
Bearings	Heavy duty long life synergetic high temperature lithium calcium grease with multifunctional extreme pressure, high shock loads, water resistant with good shear stability, pumpability for multifunctional applications	LICAM EP-2 460 HD
	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
Calendaring / Sizing & Coating		
Bearings	Heavy duty synergetic calcium sulphonate complex high temperature grease with high shock loads & water resistant grease with good shear stability. Outstanding water resistance property including hot & cold water	CS HTXX-2 460 HD
Drying		
Bearing - High Temp	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 HD
Winding		
Bearings	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
POWER GENERATION		
Turbines	Rust and corrosion protection & Rapid water separation keeps water in oil to a minimum	TURBINE OIL - 46 & 68
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)

PRODUCT SPECIFICATIONS

GREASE SPECIFICATIONS

Product	Thickener / Base Oil Type	Viscosity @ 40°C cSt	NLGI	Drop Point °C	Operating Temp °C
PD UNIRAX N-3	Lithium Complex / Synergetic	100	3	+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
SYNTH POLYTHERM -2 460 HD	Polyurea / Synergetic	460	2	+280	-20 to 180
SYNTH POLYTHERM-2.5 100	Polyurea / Synergetic	100	2.5	+280	-20 to 180
CS HTXX-2 460 HD	Calcium Sulfonate Complex / Synergetic	460	2	+280	-20 to 180
LICAM EP-2 460 HD	Lithium Calcium / Synergetic	460	2	+190	-20 to 140
G-ALX HTXX-0-00 2500 HD	Aluminum Complex + Moly / Synergetic	2500	0/00	+280	-20 to 180

Product	Base Oil Type	Base Oil Viscosity @ 40°C cSt	Copper Corrosion	Pour Point °C	Flash Point °C
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
TURBINE OIL	Mineral	46 & 68	1b pass	-24	240
SYNTH AIR COMPRESSOR OIL	Fully Synthetic	32/46/68/100/150/220	1a	-50	260

OIL SPECIFICATIONS