

POWERMAYX LUBE INDIA

ANIMAL FEED MILL INDUSTRY

High Performance Speciality Lubricants for Animal Feed Industry Processing Equipment you can trust for the food industry

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

ANIMAL FEED MILL INDUSTRY PROCESSING

APPLICATION / EQUIPMENT	FEATURES / BENEFITS & ADVANTAGES	POWERMAYX RECOMMENDED SOLUTION
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)
Loading, Unloading & Storage of RM		
Pump and Stirrer 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)
Conveyor Roller bearings	Long life synergetic polyurea high temperature grease extended re-lubrication intervals, water resistance, corrosion protection in plain & anti-friction bearings	SYNTH POLYTHERM-2 460 HD
Conveyor Chains	Synthetic high temperature chain oil with EP and AW properties along with paint compatibility.	SYNTH CHAIN OIL - 32, 150, 150M, 220M, 220, 320
Hydraulic Oil	Good protection against wear, corrosion and rust formation. These oils prevent high foam building and ageing of the lubricants	HYDRO AW & HLP
Milling, Grinding, Dosing & Mixing, & Preconditioning & Compacting		
Hammer Mill Bearings	Synergetic lithium complex high temperature grease with EP/AW, high shock loads, water resistant with good shear stability & pumpability for multifunctional applications.	PD LCX-3 / PD LCX-222 (Auto Dispensing / Centralized Lubrication For Pellet Mill Bearing)
Rotary Valve 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)
Rotary Valve Roller Bearings	Synergetic lithium complex high temperature grease with EP/AW, high shock loads, water resistant with good shear stability & pumpability for multifunctional applications	PD LCX-222 (Auto Dispensing / Centralized Lubrication For Pellet Mill Bearing)

Conveyor Chains	Synthetic high temperature chain oil with EP and AW properties along with paint compatibility.	SYNTH CHAIN OIL - 32, 150, 150M, 220M, 220, 320
Pressing, Preconditioning, Compacting, Extruding, Spraying		
Pellet press or extruder Bearings	Synergetic lithium complex high temperature grease with EP/AW, high shock loads, water resistant with good shear stability & pumpability for multifunctional applications	PD LCX-3 / PD LCX-222 (Auto Dispensing / Centralized Lubrication For Pellet Mill Bearing)
Conveyor Chains	Synthetic high temperature chain oil with EP and AW properties along with paint compatibility.	SYNTH CHAIN OIL - 32, 150, 150M, 220M, 220, 320
Pelleting Mills		
Pellet press or extruder Bearings	Synergetic lithium complex high temperature grease with extreme pressure, high shock loads & water resistant grease with good shear stability & pumpability for multifunctional applications	PD LCX-3 / PD LCX-222 (Auto Dispensing / Centralized Lubrication For Pellet Mill Bearing)
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)
Cooling & Packing, Filling & storage		
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)
Roller Bearings	Synergetic lithium complex high temperature grease with extreme pressure, high shock loads & water resistant grease with good shear stability & pumpability for multifunctional applications	PD LCX-222 (Auto Dispensing / Centralized Lubrication For Pellet Mill Bearing)
Conveyor Chains	Synthetic high temperature chain oil with EP and AW properties with paint compatibility.	SYNTH CHAIN OIL - 32, 150, 150M, 220M, 220, 320
SIFTER		
Bearings	Synergetic lithium complex high temperature grease with extreme pressure, high shock loads & water resistant grease with good shear stability & pumpability for multifunctional applications	PD LCX-3 / PD LCX-222 (Auto Dispensing / Centralized Lubrication For Pellet Mill Bearing)

PRODUCT SPECIFICATIONS

GREASE SPECIFICATIONS

Product	Thickener / Base Oil Type	Viscosity @ 40°C cSt	NLGI	Drop Point °C	Operating Temp °C
PD LCX-3	Lithium Complex / Synergetic	220	3	+265	-20 to 160
PD LCX-222	Lithium Complex / Synergetic / Extra Tacky	220	2	+265	-20 to 160
SYNTH POLYTHERM-2 460 HD	Lithium Complex / Synergetic	460	2	+280	-20 to 180

OIL SPECIFICATIONS

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
SYNTH CHAIN OIL	Fully Synthetic	32, 150, 150M, 220M, 220, 320	1a pass	-20	+290
SYNTH AIR COMPRESSOR OIL	Fully Synthetic	32/46/68/ 100/150/220	1a	-50	260
TURBINE OIL	Mineral	46 & 68	1b pass	-24	240
HYDRO AW & HLP	Mineral	46 & 68	1b pass	-12	108