
Animal Feed

*Customized Range of
Speciality Lubricants for
the Animal Feed Industry*





Innovating & safe lubricating solutions for the Animal Feed Industry.



The manufacturing of animal feed is a demanding process requiring the usage of sophisticated pellet and hammer mills. Greases formulated for this critical equipment need to withstand heavy shock loads, high temperatures and the ability to prevent squeeze out under continuous operation. ***Our solutions for the Animal feed industry consist of high performance greases for the pellet and hammer mills, as well as a range of NSF H1, Halal & Kosher certified products for general bearing and gear lubrication.*** Today some of the largest animal feed manufacturers are taking advantage of ***Molygraph's complete array of solutions to improve down-the-line efficiency and performance.***

Our field engineering team is ready to help you in terms of lubricant selection and application thereby reducing breakdowns and maintenance costs.

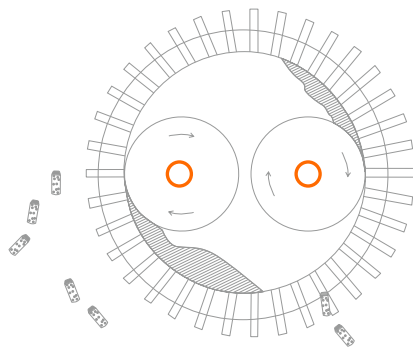
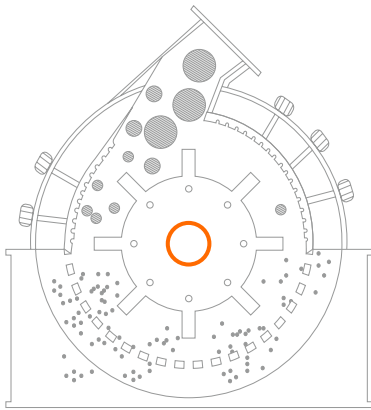
OPERATING CONDITIONS

- Premature bearing failures
- High vibrations
- Heavy loads
- Elevated temperatures
- Dust and humidity

Featured Products

SGH 220 Plus & SGH 220 Plus 2/1

Premium special complex grease with excellent load-carrying properties & pumpability. Specially developed for hammer & pellet mills in the animal feed industry.



Pellet mills, also known as pellet presses, are commonly used in the production of animal feed, biomass fuel, and other materials. The rollers and dies within the pellet mill are subject to significant wear and tear during operation, and proper lubrication is essential to maintain the efficiency and lifespan of the equipment. Therefore, the selection of an optimum grease is important to reduce bearing failure and maintain the long life of components.

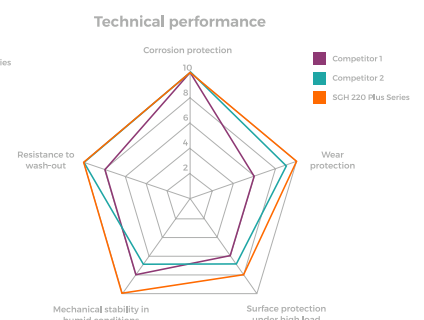
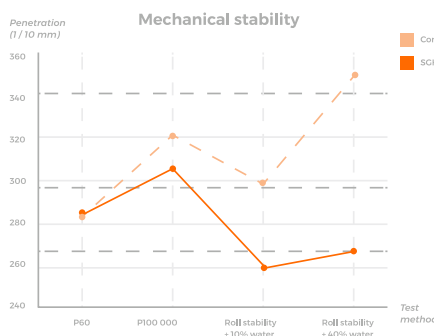
Hammer mills are versatile machines capable of processing a wide range of materials, including grains and various agricultural residues. The hammer mill plays a crucial role in the feed production process by efficiently reducing the size of raw materials and preparing them for further processing. Choosing the right lubricant can help ensure that you get efficient results meeting specific needs and requirements.

SGH 220 has been developed by Molygraph to cater to the needs of hammer & pellet mills in the animal feed industry.

Molygraph's SGH 220 Plus Series, is a special complex grease with a high base oil viscosity, reducing the operating temperature by 5-10°C than conventional greases.

Lubrication Point

- The proprietary special complex technology has been tweaked to ensure excellent pumpability and adhesion.
- Ability to withstand high loads & vibrations in the mill, ensuring smooth operations.
- Excellent boundary lubrication ensures the proper film thickness between the contact surfaces.
- Reducing wear and making sure the rotor bearings have excellent lubrication to maintain efficiency and performance.
- Increases re-greasing intervals and optimizes grease consumption.



Product Selector

PROCESS	MACHINE	APPLICATIONS	FEATURES & BENEFITS	PRODUCT
Loading, Unloading & Storage of RM	Pump and Stirrer	Gear Box	High temperature synthetic gear oils with good AW and EP characteristics.	ULTRA GEAR SYN OILS
	Conveyor	Roller bearings	High temperature, long life polyurea grease.	PUG 9000 H
Milling	Hammer Mill	Bearings	Multifunctional extreme pressure high load & water resistant grease with good shear stability.	SGH 220 PLUS 2 / 1
Dosing and pre mixing	Rotary Valve	Gear Box	High temperature synthetic gear oils with good AW and EP characteristics.	ULTRA GEAR SYN OILS
			NSF-H1, Halal & Kosher certified high performance food grade synthetic gear oils capable of operating under a high load carrying environment.	SAFOL™ GEAR OILS
Preconditioning & Compacting		Gear Box	NSF-H1, Halal & Kosher certified high performance food grade synthetic gear oils capable of operating under a high load carrying environment.	SAFOL™ GEAR OILS
			High temperature synthetic gear oils with good AW and EP characteristics.	ULTRA GEAR SYN OILS
		Roller Bearings	Multifunctional extreme pressure high load & water resistant grease with good shear stability.	SGH 220 PLUS
Pressing & Extruding	Pellet Mills	Bearings	Multifunctional extreme pressure high load & water resistant grease with good shear stability.	SGH 220 PLUS 2 / 1
			Heavy duty long life high temperature polyurea grease with good pumpability.	ULTRA MILL GREASE PU PREMIUM
			NSF -H1, Halal & Kosher certified food grade grease for multifunctional applications.	SAFOL™ FGG
Cooling and Spraying		Gear Box	High temperature synthetic gear oils with good AW and EP characteristics.	ULTRA GEAR SYN OILS
			NSF-H1, Halal & Kosher certified high performance food grade synthetic gear oils capable of operating under a high load carrying environment.	SAFOL™ GEAR OILS
		Roller Bearings	Multifunctional extreme pressure high load & water resistant grease with good shear stability.	SGH 220 PLUS

YOUR BENEFITS

- Specially formulated products to withstand extreme conditions.
- Lower maintenance & operational cost.
- Longer re-lubrication interval.
- Reduction in equipment failure.

Product Specification

GREASES

PRODUCT	THICKENER / OIL	BASE OIL VISCOSITY @ 40°C (cSt)	NLGI GRADE	DROPPING POINT (°C)	OPERATING TEMPERATURE (°C)
PUG 9000 H	Polyurea / Mineral	220	#2	+250	-20 / +180
SAFOL™ FGG SERIES	Aluminium Complex / Synthetic	200	#2, #1, #0	+270, +260, NA	-30 / +180
SAFOL™ FGG 552	Aluminium Complex / Synthetic	550	#2	+270	-30 / +180
SGH 220 PLUS SERIES	Special Complex / Mineral	220	#2, #2 / 1	+300	-20 / +200
ULTRA MILL GREASE PU PREMIUM	Polyurea / Refined Mineral Oil	460	#1 / 2	+260	-20 / +180

OILS

PRODUCT	BASE OIL	BASE OIL VISCOSITY @ 40°C (cSt)	COPPER CORROSION (Rating)	POUR POINT (°C)	FLASH POINT (°C)
SAFOL™ GEAR OILS	PAO	150 / 220 / 320 / 460	1a	-45 / -39 / -33 / -27	260 / 260 / 260 / 260
ULTRA GEAR SYN OILS	PAO	32 / 100 / 150 / 220 / 320 / 460 / 680 / 1000	1a	-48 / -45 / -45 / -39 / -36 / -33 / -27 / -24	220 / 220 / 220 / 225 / 225 / 225 / 230 / 240

Accelerating industrial performances across the world

Designed by empirici designs



Efficient lubrication solutions to drive industries forward

Molygraph is India's leading engineered lubricants company. For over 32 years we have mastered the art of making high quality speciality lubricants for various industries & applications. At the core of each of our products lies our strong emphasis on Research & Development and a deep understanding of the client's expectations, which helps us deliver optimal solutions.

The consultative selling approach lays emphasis on value creation for our clients & has led Molygraph to be a front runner in the speciality Lubricants market in India as well as developing a global footprint with a presence in over 25 countries around the world.

BUSINESS VERTICALS

- Animal Feed
- Automotive Components & Manufacturing
- Cement
- Food
- Forging
- Metal Cutting & Forming
- Mining
- MRO
- Oil & Gas
- Pharmaceutical
- Plastic Moulding
- Pulp & Paper
- Punching & Stamping
- Steel
- Sugar
- Textile
- Wind Power

PRODUCT LINE

- Aerosol Sprays
- Cleaners & Degreasers
- Dispersions
- Lubricating Greases & Pastes
- Lubricating Oils
- Metal Forming Fluids
- Rust Preventives
- Solid Lubricants
- Thread Dope Compounds

PRODUCT APPLICATIONS

- Bearings
- Chain & Wire Ropes
- Conveyor Chains
- Forging & Extrusion
- Gears
- Metal Cutting & Grinding
- Metal Punching & Stamping
- Nuts, Bolts & Threads
- Sheet Metal Drawing
- Valves

