PERFORMANCE

Moly HI Plus Grease

. . . A Premium Quality, Multi-Purpose Extreme Pressure Gun Grease That Combines the Superior Lubricating Characteristics of Moly With a High Performance Barium Base

SWEPCO 103 is a premium gun grease which provides excellent extreme pressure and shock resistance, water and corrosion resistance and long service life.

Until now, equipment owners who wanted the high shock and water and corrosion resistance of a barium grease had to give up the cost-saving anti-friction characteristics of a "moly" fortified grease. But . . . no longer! Now BOTH the superior performance of barium and the unique anti-friction and anti-wear properties of 'powdered moly' are available in a single premium quality multi-purpose gun grease . . . **SWEPCO 103 Moly H I Plus Grease**.

This unique grease has superior extreme pressure and anti-wear characteristics in addition to all the normal performance advantages of SWEPCO 105 H I Plus Grease.

Reduces Friction & Heat

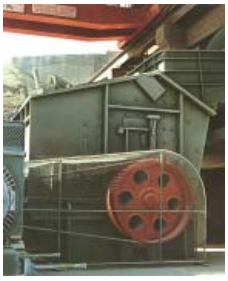
One of the primary reasons for the superiority of SWEPCO 103 is the addition of powdered molybdenum disulfide. Powdered moly is not a conventional extreme pressure additive which works only at elevated temperatures created by severe service conditions. Powdered moly is a truly unique anti-friction compound that works all the time to reduce friction, heat and wear.

Moly works by plating metal surfaces with a microscopically thin anti-friction film that has a high affinity for metal but also has one of the lowest coefficients of friction known.

This highly effective moly film provides an extremely durable second layer of lubrication which reduces friction and drag well below levels

WTP & Other Corrosive Conditions

High Shock



Extreme pressure

Water Exposure

encountered with conventional greases. The result is a significant reduction in heat and heat related failures. Equipment runs cooler with increased load carrying capability, operating efficiency and component life in conditions which destroy ordinary greases.

Reduces Wear

Superior wear control results from a highly effective combination of high quality base stocks, a proprietary EP additive, a superior gelling agent and powdered moly. Premium quality straight cut solvent refined pure paraffinic base stocks provide a high viscosity index with a naturally high film strength and superior lubricity. *LUBIUM®* is SWEPCO's highly effective extreme pressure additive which provides additional protection from wear in severe service applications. A high performance barium gelling agent insures the oil stays where it is supposed to, clinging to metal parts without lubricant starvation, bleeding, separation, washing or pounding out. Finally, powdered moly provides protection from wear in boundary lubrication conditions by preventing metal to metal contact even if the base lubricant should get squeezed out. This thin film can withstand pressures up to 500,000 psi without failing as a lubricant.

Superior High Temperature Performance

SWEPCO 103 provides superior lubrication at temperatures up to 375°F. (190°C). This level of performance comes from the combination of high VI, oxidation resistant base stocks, the high performance barium gelling agent and the anti-friction characteristics of moly. That means lower grease consumption, extended lubrication cycles and superior protection for equipment.

Better Water & Corrosion Resistance

The barium gelling agent provides an unusually high resistance to water and steam. It simply won't wash out or emulsify. It also provides an "alkaline reserve" which helps neutralize acidic mixtures and other corrosive materials, protecting bearing surfaces from chemical attack at high temperatures or in corrosive environments.

Exceptional Versatility

SWEPCO 103 is highly effective in a wide variety of demanding applications. Its extreme pressure characteristics make it a natural lubricant for high load applications. Superior shock resistance provides improved performance in applications such as pile drivers, back hoes, front end loaders and other types of equipment subjected to heavy slamming and pounding. Outstanding water resistance makes it a highly recommended grease for applications such as trenching machines, bull dozers and many other types of equipment. And its superior chemical stability makes it a highly effective grease for preventing rust and other forms of corrosion in applications such as paper mills, waste water treatment plants and textile plants where acidic contaminants can damage anti-friction components. SWEPCO 103 also meets USDA requirements for use in closed lube systems in food and beverage plants.

Typical Physical Characteristics

NLGI Consistency	#1	#2
Penetration, @77 °F, ASTM D-217	325	285
Dropping Point, °F, ASTM D-2265	375	375
Base Oil Viscosity, cst @40°C	218.0	218.0
Base Oil Viscosity, cst @100°C	17.0	17.0
Color	Blue Gray	
Texture	Fibrous	

Typical Performance Characteristics

Timken OK Load	35
4-Ball Weld Test, kg	315
Rust Test, ASTM D-1743	1
Copper Corrosion	1b
Wear Test, 1200 RPM, 40 kg	.0.42
Oxidation Test, ASTM D-942	
PSI Loss @ 100 Hrs. Max	4
Optimum Operating Temperature Range	
°F (°C)	-4 to +350 (-20 to +177)

A Product of SPX Technology™.

... the cutting edge performance SWEPCO Customers have come to expect.

ilma Member | NLGI Member | STLE Member | ISO 9001 BUREAU VERITAS Certification | ENERGY STAR PARTNER Service & Product Provider | QUALICHEM MEMBER | UEIL Member | ELGI Member

Southwestern Petroleum Corporation

Fort Worth, Texas • Phone: (800)359-5823 or (817)332-2336 • Fax: (817)348-7237 • Web: www.swepcousa.com
Southwestern Petroleum Europe • Southwestern Petroleum Canada

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