

## *Moly Fluid Grease*

- **Superior resistance to water washout**
- **Clings & penetrates to reduce wear**
- **Excellent all-temperature pumpability & performance**
- **Exceptional versatility**

SWEPCO 113 Moly Fluid Grease combines the excellent lubrication characteristics of SWEPCO's calcium based fluid grease with the **unsurpassed protection of Moly**... Molybdenum Disulfide. Fluid grease users can now get the many cost-saving anti-friction benefits of Moly in a grease formulated for their unique applications. This unique grease has superior extreme pressure and anti-wear characteristics in addition to all of the performance advantages of a calcium-based grease...in severe service applications, **it provides a margin of safety unsurpassed by other fluid greases.** These benefits mean lower overall lubrication costs, greater load handling capability, less maintenance and fewer equipment failures.

### **Reduces Friction and Heat**

One of the primary reasons for the superiority of SWEPCO 113 Moly Fluid Grease is the addition of powdered molybdenum disulfide... "moly", a special area of additive technology long proven by Southwestern Petroleum's famous SWEPCO 101 Moly Grease. Most conventional extreme pressure additives become active only if the base lubricant begins to fail,



because they rely upon the elevated temperatures caused by poor lubrication to activate them. Powdered moly, on the other hand, is a truly unique anti-friction compound that works all the time to reduce friction, heat and wear. It is a far superior anti-friction and anti-wear additive, especially for fluid lubrication systems.

Because moly also has one of the lowest coefficients of friction known, it **reduces friction and drag well below the levels encountered with conventional greases.** The result is a significant reduction in heat and heat related failures, allowing equipment to run cooler with increased load carrying capability, operating efficiency and component life.

### **Reduces wear**

The moly in SWEPCO 113 Moly Fluid Grease also provides superior wear reduction. Besides reducing friction and heat, which contribute greatly to wear, the protective film

provided by moly prevents metal to metal contact with a film which can withstand pressures up to **500,000 lbs./sq. in.**...well beyond the yield strength of most metals.

But moly is only the second line of defense against wear...in SWEPCO 113 Moly Fluid Grease, wear control starts with the highest quality base stocks. These high quality, High Viscosity Index paraffinic base stocks have a **naturally high film strength**, providing superior lubrication and wear control. In addition, the formulation includes SWEPCO's proprietary Lubium® extreme pressure/anti-oxidant additive.

This highly effective combination of powdered moly, high quality base stocks, and Lubium® insures maximum protection against wear and results in longer equipment life and less downtime.

### Excellent All-Temperature Performance

Thermal stability is extremely important in fluid greases...the lubricant must remain fluid in cold temperatures and must not thin in high temperature applications. SWEPCO 113 Moly Fluid Grease provides **dependable, uniform lubrication in a broad temperature range**. It remains fluid in extreme cold for superior pumpability and reliable performance, and is equally effective in high temperature environments which cause less stable greases to run, bleed or splatter.

SWEPCO's superior High Viscosity Index base stocks resist excessive thinning at high operating temperatures and have **greater natural resistance to oxidation**, reducing varnishing and other oxidation by-products. This natural oxidation resistance is further enhanced with an anti-oxidation additive which allows the oil to retain its film strength and high temperature stability. At the same time, moly attacks the high temperature problem in a more basic way, by reducing friction levels and heat, so components run cooler.

### Exceptional Versatility

SWEPCO 113 Moly Fluid Grease's extreme pressure performance, anti-oxidation characteristics, rust and corrosion control, chemical and thermal stability and water resistance make it a highly effective lubricant in a wide variety of demanding applications. It is especially well suited for lubricating track rollers, wire rope, drive chains, cables, slides and cams. It provides excellent performance in forced feed lubricators and centralized greasing systems.

Whenever lubrication requirements demand a fluid grease...whether the application is in construction, mining, logging, transportation, manufacturing or agriculture...SWEPCO 113 Moly Fluid Grease provides superior performance.

### Typical Physical Characteristics

NLGI Consistency .....	00
Penetration, 77°F, ASTM D-217 .....	415
Base Oil Viscosity, cst @40°C .....	38.9
Base Oil Viscosity, cst @100°C .....	5.5
Color .....	Blue-Gray

### Typical Performance Characteristics

Timken OK Load .....	50
Rust Prevention Test, ASTM D-1743 .....	1, 1, 1
Copper Strip Corrosion, ASTM D-130 .....	1
Oxidation Test, ASTM D-942, PSI Loss @ 500 Hrs. Max .....	15
Optimum Operating Temperature Range °F (°C) .....	-25 to +250 (-32 to +120)



**A Product of SPX Technology™.**

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



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