



## **FP SCHMIERFELL L-MoS2 NLGI 3**

### **LITHIUM-BASED MULTIPURPOSE GREASE WITH MOLYBDENUM DISULFIDE**

#### **PRODUCT DESCRIPTION:**

FP SCHMIERFELL MoS2 is a high-performance, lithium 12-hydroxystearate soap-based grease formulated with premium quality mineral base oils. It is fortified with a balanced package of antioxidants, corrosion and rust inhibitors, as well as extreme pressure (EP) and anti-wear additives. The grease is further enhanced with 3% molybdenum disulfide (MoS<sub>2</sub>), offering superior protection against wear, friction, and shock loading in demanding applications.

#### **APPLICATION:**

FP SCHMIERFELL MoS2 is a multi-purpose grease suitable for a wide range of applications. It can be applied to lubrication points found on dozers, scrapers, earthmovers, cranes, shovels, rollers, combines, and cotton pickers. These lubrication points include most types of antifriction bearing arrangements from plain sleeve-types to rolling element bearings, as well as bushings and other sliding surface or pivot point.

#### **FEATURES & BENEFITS:**

- The operating temperature range is from -20°C to 120°C
- The presence of moly provides additional protection against wear
- Excellent load-carrying capacity
- Good resistance against water
- Good mechanical stability
- Good corrosion protection

#### **PERFORMANCE LEVELS: Meets or Exceeds:**

- NLGI Grade: 2
- NLGI Grade: 3

#### **TYPICAL PROPERTIES:**

PARAMETERS	ASTM METHOD	FP SCHMIERFELL MoS2 NLGI 3
Thickener Type	-	Lithium 12-Hydroxystearate
Appearance	Visual	Smooth & Homogenous
Color	Visual	Dark gray
Work Penetration @25°C	ASTM D217	220-250
Copper Strip Corrosion 24hrs @100°C	ASTM D4048	1b max.
Dropping Point °C, Min	ASTM D2265	180
Water Washout Resistance %Wt @79°C	ASTM D1264	max 10
Four Ball, Load Wear Scar, Mm	ASTM D2266	0.6
Four Ball Weld Load, Kgf, Min	ASTM D2596	200
Dry Lubricant		Molybdenum Disulfide
Operating Temperature Range, °C	INTERNAL	-20 to 120
Base Oil Viscosity @40°C (Cst)	ASTM D445	90 -110

#### **HEALTH & SAFETY, ENVIRONMENT:**

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point.