

Moly^{XP} Universal Extreme Pressure Grease

**Formulated with
Moly^{XP} & Lubium[®] II**

Wear from heavy loads can cause a wide range of problems. SWEPACO 165 Moly^{XP} Universal Extreme Pressure Grease is a high performance **multi-service** lubricant formulated to deliver unsurpassed protection and sealing of a wide range of processes and equipment. SWEPACO's Syntheon[™] synthetic base stocks, over-based calcium sulfonate base and advanced additive chemistry, such as Moly^{XP} and Lubium[®] II, provide superior lubrication, wear resistance, corrosion and rust resistance and sealing for all types of industrial applications. Insure proper operation, longer life and less downtime with SWEPACO 165.



KEY BENEFITS

- Recommended for heavy equipment, open gears, steel mills, construction & other types of processes
- Helps protect metal surfaces from wear caused by metal to metal contact & abrasive materials
- High viscosity polymers & solids with exceptional metal surface adhesion help seal bearings ... preventing leaks, entry of abrasives & loss of operation pressures
- Excellent protection from corrosion caused by water, alcohols, glycols, CO₂, H₂S, & other solvents and caustic chemicals
- Compatible with all commonly used seal materials
- Will not harm advanced metallurgy or coatings
- Wide temperature range (10°F to 750°F intermittent)
- Resists high temperature oxidation, thinning & bleeding
- Reduces pressure related problems & downtime



Feature	Benefit
Syntheon™ Synthetic Base Stock Blends	<ul style="list-style-type: none"> • Gives you a more uniform viscosity over a wide temperature range • Helps improve high temperature oxidation and thermal stability • Better low temperature performance • Extends service life
Moly^{XP}	<ul style="list-style-type: none"> • Adds a protective film on metal surfaces that dramatically reduces friction & wear
LUBIUM® II	<ul style="list-style-type: none"> • Enhances oxidation and corrosion resistance
Oxidation Inhibitor	<ul style="list-style-type: none"> • Reduces oil thickening • Helps prevent high temperature deposits that result from oxidation
Rust & Corrosion Inhibitor	<ul style="list-style-type: none"> • Builds a chemical bond with the surface to keep moisture and acids from penetrating and attacking the surfaces
Oiliness Additive	<ul style="list-style-type: none"> • Enables the oil to penetrate the surface for better lubrication
Anti-Wear Additive	<ul style="list-style-type: none"> • Helps prevent metal to metal contact, friction and wear
Extreme Pressure Additive	<ul style="list-style-type: none"> • Increases film strength of the oil giving it the ability to withstand extreme pressures without harming yellow metals
Seal Compatibility	<ul style="list-style-type: none"> • Compatible with all commonly used seal materials
Viscosity Index Improver Additive	<ul style="list-style-type: none"> • Less high temperature thinning and low temperature thickening
Long Life	<ul style="list-style-type: none"> • High performance formulation delivers longer lubricant life

Typical Physical Properties

N.L.G.I. Classification	#2.....	#1
Penetration, 60 strokes @77°F.....	265-295.....	315-340
Timken OK Load, lbs. (ASTM D2509).....	60.....	60
Four Ball EP Test (ASTM D2596)		
Weld Load, kg.....	1000.....	1000
Load Wear Index.....	66.....	65
Four Ball Wear Test (ASTM D4172)mm.....	0.36.....	0.38
Dropping point, (ASTM D2265).....	>586°F (>308°C).....	580°F (304°C)
Base Oil Viscosity, cst @40°C.....	2855.....	113
Base Oil Viscosity, cst @100°C.....	177.....	12
Base Oil Viscosity Index	172.....	95
Base Oil Pour Point, (ASTM D97).....	10°F (-12°C).....	-30°F (-34°C)
Color.....	Gray	
Texture.....	smooth, very tacky	

Typical Performance Characteristics

Rust & Corrosion (ASTM D1743)	Pass
Copper Corrosion (ASTM D130)	1a
Water Spray Off, % Loss (ASTM D4049)	3.00
Oxidation Stability, PSI Drop, 100 hrs (ASTM D942)	5
Optimum Operating Temperature Range	
#2.....	+10°F to +750°F (-12°C to +399°C)
#1.....	-20°F to +750°F (-29°C to +399°C)

Suitable for the Following Applications:

Can be used in open gears, drawbridges, heavy machinery, cranes, lifts, conveyors and a variety of other equipment.

Excellent choice for a wide range of applications and valves in refineries, chemical plants, utility plants, steam plants, pipelines and distribution systems, well head operations, steam assisted gravity drain (SAGD) operations, industrial plants, irrigation, waste water treatment plants, water systems and any other application that relies upon process or control valves.

It is also recommended for lubrication and protection of pipe threads, gaskets, couplings, water well casing, nipples, packings, drive chains, bull gears, ring gears, U joints, CV joints, wheel bearings, compactors, pelletizers and a body grease for storage and transport for valves, pipes and fittings.

Not Recommended for the Following:

Any valves used to control fluorine, oxygen or strong oxidizers or any ball or check valves with small orifices that might be plugged by solids in the lubricant.



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