

Moly^{XP} Universal Valve Lubricant

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

Wear of metal seated industrial valve surfaces can cause a wide range of problems, including leakage, loss of pressure and downtime. SWEPCO 165 Molv^{XP} Universal Valve Lubricant is a high performance *multi-service* lubricant formulated to deliver unsurpassed protection and sealing of a wide range of process, distribution and control valves. SWEPCO'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 valves ... including those used in caustic chemical, abrasive, high pressure and high temperature service. Insure proper functioning, longer life and less valve-related downtime of your valves with SWEPCO 165.



KEY BENEFITS

- Recommended for manual and servo operated gate, ball & other types of process, control & distribution valves
- Helps protect metal seated valve surfaces from wear caused by metal to metal contact & abrasive materials
- High viscosity polymers & solids with exceptional metal surface adhesion help seal worn valves ... preventing leaks, entry of abrasives & loss of operating 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 valve metallurgy or coatings
- Suitable for injection into many ball valves
- Wide temperature range (10° F to 750° F intermittent)
- Resists high temperature oxidation, thinning & bleeding
- Reduces valve related problems & downtime

Protect all your valves with SWEPCO 165 ...





SAGD VALVES

CONTROL VALVES

WWTP VALVES

Benefit
 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
Adds a protective film on metal surfaces that dramatically reduces friction & wear
Enhances oxidation and corrosion resistance
Reduces oil thickeningHelps prevent high temperature deposits that result from oxidation
 Builds a chemical bond with the surface to keep moisture and acids from penetrating and attacking the surfaces
Enables the oil to penetrate the surface for better lubrication
Helps prevent metal to metal contact, friction and wear
 Increases film strength of the oil giving it the ability to withstand extreme pressures without harming yellow metals
Compatible with all commonly used seal materials
Less high temperature thinning and low temperature thickening
High performance formulation delivers longer lubricant life

Typical Physical Properties

N.L.G.I. Classification	#2
Penetration, 60 strokes @77°F	
Timken OK Load, Ibs. (ASTM D250	9 60
Four Ball EP Test (ASTM D2596)	
Weld Load, kg	1000
Load Wear Index	
Dropping point, °F (°C) (ASTM D2265)	>586 (>308)
Base Oil Viscosity, cst @40°C	
Base Oil Viscosity, cst @100°C	177
Base Oil Viscosity Index	
Base Oil Pour Point, °F (°C) (ASTM D97)	10 (-12)
Color	Gray
Texture	smooth, very tacky

Typical Performance Characteristics

Rust & Corrosion	
(ASTM D1743)	. Pass
Copper Corrosion (ASTM D130)	1a
Water Spray Off, % Retained (ASTM D4049)	95.49
Oxidation Stability, PSI Drop, 100 hrs (ASTM D942)	5
Optimum Operating Temperature Range °F (°C) +10 to +750 (-12 to	+399)

Suitable for the Following Applications:

Gate valves, ball valves, butterfly valves, triple offset valves, knife gate valves, pressure seal valves, pressure relief valves and check valves.

Excellent choice for a wide range of applications 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, and a body grease for storage and transport of 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.





Southwestern Petroleum Corporation