

Moly^{XP} Multi-Grade Gear Lube SAE 75W140 With SyntheonTM

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

SWEPCO 212 Moly^{XP} Multi-Grade Gear Lube is a high performance gear oil formulated to deliver unsurpassed, all-weather performance. Whether the application calls for protection of mobile or stationary gearboxes in hot or cold temperatures, SWEPCO's *SyntheonTM* synthetic base stock blends, *Moly^{XP}* advanced EP additive and proprietary *Lubium[®] II* chemistry insure extended drain protection from wear, foaming, overheating, deposits, rust and water contamination. If you want to insure maximum performance and gearbox life in severe all-weather service, choose SWEPCO 212 Moly^{XP} Multi-Grade Gear Lube.



KEY BENEFITS

- All-weather protection for manual transmissions, geaboxes, gear reducers, gear driven final drives, power take offs and differentials used in severe service
- Insures full film lubrication without channeling in cold weather start up conditions down to -40°F (-40°C)
- *SyntheonTM* synthetic base stock blend & *Lubium[®] II* insure proper viscosity over a wide temperature range
- *Moly^{XP}* plates gears to protect against friction & wear even under severe extreme pressure conditions
- Can improve fuel economy in over-the-road service
- Controls foaming; lowers operating temperatures
- Extends oil life as much as two to three times or more
- Controls deposits, varnish, corrosion, sludge, rust
- Exceeds performance requirements of all major gearbox specifications and most OEMs, including API GL-5 and MT-1

Unsurpassed All-Weather Protection for Mobile & Stationary Gearboxes



Enjoy better performance, longer drains and maximum gearbox life with SWEPCO 212.

Short haul, heavy load Stationary gearboxes Extreme pressure Over-the-road

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 flow characteristics help reduce start-up wear • Extends service life
Moly^{xp}	<ul style="list-style-type: none"> • Adds a protective film on moving parts that dramatically reduces friction & wear
LUBIUM® II	<ul style="list-style-type: none"> • Enhances oxidation and corrosion resistance
Multi-Grade Formulation	<ul style="list-style-type: none"> • Insures full film lubrication without channeling on start-up in cold temperatures • Lower fuel/energy consumption during equipment warm up • Full SAE 140 viscosity at operating temperature
Oxidation Inhibitor	<ul style="list-style-type: none"> • Reduces oil thickening • Helps prevent sludge, varnish and carbon 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
Anti-Foam Additive	<ul style="list-style-type: none"> • Can lower oil temperatures by 25 - 50° F by dispersing foam, releasing trapped heat
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
Demulsifier Additive	<ul style="list-style-type: none"> • Promotes rapid water separation and easy water drain off after shut down
Pour Point Depressant Additive	<ul style="list-style-type: none"> • Gives the oil better low temperature flow characteristics • Helps to reduce low temperature start-up wear
Viscosity Index Improver Additive	<ul style="list-style-type: none"> • Less high temperature thinning and low temperature thickening
Limited Slip Differential Additive	<ul style="list-style-type: none"> • Insures proper frictional characteristics to eliminate chatter, shudder
Saves Energy	<ul style="list-style-type: none"> • Increased "oiliness" provides friction reducing film on vital metal parts to reduce power usage by as much as 30%
Long Life	<ul style="list-style-type: none"> • Drain cycles 2-3 times longer than conventional oils reduce waste oil disposal
Lab TecSM Fluid Analysis Program	<ul style="list-style-type: none"> • Maximizes equipment and lubricant life and pinpoints impending problems • Reduces waste

Typical Physical Characteristics

SAE Gear Oil Grade	75w140*
Density @60°F, lbs/gal (kg/l)	7.153 (0.848)
Flash point, COC, °F (°C)	536 (280)
Viscosity, 40°C, cSt	169
Viscosity 100°C, cSt	25.3
Pour Point, °F (°C) Max	-45 (-43)
Viscosity Index	183
Color	Greenish Black


***Note:** SWEPCO 212 is a multi-grade product that has the viscosity of an 75w (ISO 68) in cold weather start up conditions and the viscosity of an SAE 140 (ISO 460) once it has reached operating temperatures. It is intended for applications that require an SAE 75w140 or an SAE 140 but could benefit from improved cold weather start up performance. It is not intended to be substituted where OEM recommendations call for single grade 80w or 90 weights.

Specifications Exceeded

• AGMA 6EP through 8EP Specifications • AGMA 9005 Specification • SAE J2360 • MIL-PRF-2105E • USS 224 • Mack Trucks Inc. GO-J • Rockwell-Standard 0-76B • NSF & Health Canada requirements for use in closed systems in federally inspected food and beverage plants • CLP Din 151517 parts I, II, III • Ford WDS M2C200-C • API GL-5 and MT-1

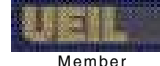
Typical Performance Properties

Demulsibility (ASTM D1401)	> 40/40/0
Timken OK Load, lbs (ASTM D2782)	70
Timken, High speed lbs (Ford BJ1-5)	12.5
Shell 4-Ball Wear Test (ASTM D4172)	
Avg Friction Coefficient	0.082
Avg Scar Diameter, mm	0.28
FZG A/8.3/90°C, min, stage passed (DIN51354)	14+
Copper Corrosion, 3 hrs @212°F (ASTM D130)	1a
Seven Days Moisture Corrosion (CRC L-33)	Pass
Thermal Oxidation Stability Test	
Pentane Insoluble, % Wgt (FTM 2504)	0.08
Benzene Insoluble, % Wgt (FTM 2504)	0.05
Foam Test (ASTM D892), Sequence I, II, III	0
Gear Test (ASTM STP 512)	No rippling, ridging or pitting
Brookfield @ -40oC = 54,000 CP	
Four-Ball EP kg.....	400



A Product of SPX Technology™.

... the cutting edge performance SWEPCO
Customers have come to expect since 1933



Southwestern Petroleum Lubricants, LLC

Fort Worth, Texas • Phone: (817) 332-2336 • Fax: (800) 736-5823 • Web: www.swepcolube.com