

Moly^{XP} 75w90 Synthetic Gear Lube

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

SWEPCO 202 Moly^{XP} 75w90 Synthetic Gear Lube is a high performance gear oil formulated to deliver unsurpassed, all-weather performance. Whether the application calls for protection of heavy over the road trucking or automobiles, SWEPCO's *SyntheonTM* synthetic base stock, 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, smoother shifting and longer gear box life, choose SWEPCO 202 Moly^{XP} 75w90 Synthetic Gear Lube.



KEY BENEFITS

- Extended life, all weather protection for over-the-road truck and automobile manual transmissions, transaxles and differentials requiring API 75w90 service
- Insures full film lubrication without channeling in cold weather start up conditions
- *SyntheonTM* synthetic base stock blend & Lubium[®] II insure proper viscosity over a wide temperature range
- Moly^{XP} plates gears to protect against friction & wear
- Improves 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 Mack Trucks, Ford, Chrysler, GM, Porsche and all other OEM 75w90 specifications

Unsurpassed Performance & Protection for Truck & Auto Gearboxes



Heavy Trucks



Light Trucks



Automotive

Enjoy better performance, smoother shifting, longer drains and maximum gear box life with SWEPCO 202.

PERFORMANCE

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 thermal stability and resistance to high temperature oxidation • 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 90 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 improve fuel economy
Long Life	<ul style="list-style-type: none"> • Drain cycles 2-3 times longer than conventional oils • Reduces waste oil
LabTecSM Fluid Analysis Program	<ul style="list-style-type: none"> • Maximizes equipment and lubricant life and helps identify impending problems

Typical Physical Characteristics

SAE Gear Oil Grade 75w90
ISO Viscosity Grade ISO 32-220
API Gravity, 60°F 33
Density @60°F, lbs/gal (kg/l) 7.21 (0.865)
Flash point, COC, °F (°C) 410 (210)
Viscosity, 40°C, cSt 81.33
Viscosity 100°C, cSt 14.76
Pour Point, °F (°C) Max -49 (-45)
Viscosity Index 191

*** Note:** SWEPCO 202 is a multi-grade product that has the viscosity of an SAE 75w (ISO 32) in cold weather start up conditions and the viscosity of an SAE 90 (ISO 220) once it has reached operating temperatures. It is intended for applications that require an SAE 75w90 or a single grade SAE 90 but could benefit from improved cold weather start up performance. It is not intended to be substituted where OEM recommendations call for single grade 75w, 80w or 90 weights.

Specifications Exceeded

API GL-5 • API MT-1 • SAE J2360 • Mack Trucks GO-J
• GM 12346140 • Ford M2C-192A • Chrysler MS-8985
• Porsche Transaxle & Manual Transmissions • And all other
OEM 75w90 Service Specifications



A Product of SPX Technology™.

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

Typical Performance Properties

Copper Corrosion, 3 hrs @212°F (ASTM D130) 1a
FZG A/8.3/90°C, min, stage passed (DIN51354) 12+
Timken OK Load, Lbs. (ASTM D2782) 70
Timken, High speed lbs (Ford BJ1-5) 12.5
Four-Ball Wear Test (ASTM D4172)
Avg Friction Coefficient 0.082
Avg Scar Diameter, mm 0.28
Load Carrying, High Speed Shock Loading (ASTM L-42)
% Gear Tooth Scoring
Ring Drive 0
Ring Coast 9
Pinion Drive 0
Pinion Coast 12
Gear Test (ASTM STP 512) .. No rippling, ridging or pitting
Thermal Durability@ 325°F, (Stressed ASTM L-37)
Ridging, Spalling, Varnish None
Chemical Corrosion, Axle/Trans (BT-10) Wgt Loss, mg.
Steel/Aluminum/Brass 0.2/0.9/0.9
Thermal Oxidation Stability Test
Pentane Insoluble, % Wgt (FTM 2504) 0.08
Benzene Insoluble, % Wgt (FTM 2504) 0.05
Seal Compatibility - Volume % Change
Nitrile @ 257°F., 168 Hours 2
Polyacrylate @ 257°F., 168 Hours 2.1
Fluoroelastomer @ 320°F., 168 Hours 0
Foam Test (ASTM D892), Sequence I, II, III 0/0/0
Rust-Preventative Test (ASTM D665)
Method A & B Clean
Seven Days Moisture Corrosion (CRC L-33) Pass
Demulsification, 5 min. (ASTM D1401) 40/40/0
Shear Stability (DIN 51382), % viscosity loss
30 passes 0
250 passes 3
Sonic Shear (ASTM D5621), % viscosity loss 16



Southwestern Petroleum Corporation

Fort Worth, Texas • Phone: (800)359-5823 or (817)332-2336 • Fax: (817)348-7237 • Web: www.swepcolube.com
Southwestern Petroleum Europe • Southwestern Petroleum Canada