



ADVANCED TECHNOLOGY IN LUBRICATION SINCE 1933

SWEPACO  
**202**

PERFORMANCE

# Moly<sup>XP</sup> 75w90 Synthetic Gear Lube

Formulated with Moly<sup>XP</sup> & Lubium<sup>®</sup> II

SWEPACO 202 Moly<sup>XP</sup> 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, SWEPACO's *Syntheon<sup>TM</sup>* synthetic base stock, *Moly<sup>XP</sup>* advanced EP additive and proprietary *Lubium<sup>®</sup> 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 SWEPACO 202 Moly<sup>XP</sup> 75w90 Synthetic Gear Lube.



## KEY BENEFITS

- Extended life, all weather protection for over-the-road truck and automobile manual transmissions, transaxles and differentials requiring SAE 75w90 service
- Insures full film lubrication without channeling in cold weather start up conditions
- *Syntheon<sup>TM</sup>* synthetic base stock blend & *Lubium<sup>®</sup> II* insure proper viscosity over a wide temperature range
- *Moly<sup>XP</sup>* 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 SWEPACO 202.

| Feature                                            | Benefit                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Syntheon™ Synthetic Base Stock Blends</b>       | <ul style="list-style-type: none"> <li>• Gives you a more uniform viscosity over a wide temperature range</li> <li>• Helps improve thermal stability and resistance to high temperature oxidation</li> <li>• Better low temperature flow characteristics help reduce start-up wear</li> <li>• Extends service life</li> </ul> |
| <b>Moly<sup>xp</sup></b>                           | <ul style="list-style-type: none"> <li>• Adds a protective film on moving parts that dramatically reduces friction &amp; wear</li> </ul>                                                                                                                                                                                      |
| <b>LUBIUM® II</b>                                  | <ul style="list-style-type: none"> <li>• Enhances oxidation and corrosion resistance</li> </ul>                                                                                                                                                                                                                               |
| <b>Multi-Grade Formulation</b>                     | <ul style="list-style-type: none"> <li>• Insures full film lubrication without channeling on start-up in cold temperatures</li> <li>• Lower fuel/energy consumption during equipment warm up</li> <li>• Full SAE 90 viscosity at operating temperature</li> </ul>                                                             |
| <b>Oxidation Inhibitor</b>                         | <ul style="list-style-type: none"> <li>• Reduces oil thickening</li> <li>• Helps prevent sludge, varnish and carbon deposits that result from oxidation</li> </ul>                                                                                                                                                            |
| <b>Rust &amp; Corrosion Inhibitor</b>              | <ul style="list-style-type: none"> <li>• Builds a chemical bond with the surface to keep moisture and acids from penetrating and attacking the surfaces</li> </ul>                                                                                                                                                            |
| <b>Anti-Foam Additive</b>                          | <ul style="list-style-type: none"> <li>• Can lower oil temperatures by 25 - 50° F by dispersing foam, releasing trapped heat</li> </ul>                                                                                                                                                                                       |
| <b>Oiliness Additive</b>                           | <ul style="list-style-type: none"> <li>• Enables the oil to penetrate the surface for better lubrication</li> </ul>                                                                                                                                                                                                           |
| <b>Anti-Wear Additive</b>                          | <ul style="list-style-type: none"> <li>• Helps prevent metal to metal contact, friction and wear</li> </ul>                                                                                                                                                                                                                   |
| <b>Extreme Pressure Additive</b>                   | <ul style="list-style-type: none"> <li>• Increases film strength of the oil giving it the ability to withstand extreme pressures without harming yellow metals</li> </ul>                                                                                                                                                     |
| <b>Demulsifier Additive</b>                        | <ul style="list-style-type: none"> <li>• Promotes rapid water separation and easy water drain off after shut down</li> </ul>                                                                                                                                                                                                  |
| <b>Pour Point Depressant Additive</b>              | <ul style="list-style-type: none"> <li>• Gives the oil better low temperature flow characteristics</li> <li>• Helps to reduce low temperature start-up wear</li> </ul>                                                                                                                                                        |
| <b>Viscosity Index Improver Additive</b>           | <ul style="list-style-type: none"> <li>• Less high temperature thinning and low temperature thickening</li> </ul>                                                                                                                                                                                                             |
| <b>Limited Slip Differential Additive</b>          | <ul style="list-style-type: none"> <li>• Insures proper frictional characteristics to eliminate chatter, shudder</li> </ul>                                                                                                                                                                                                   |
| <b>Saves Energy</b>                                | <ul style="list-style-type: none"> <li>• Increased "oiliness" provides friction reducing film on vital metal parts to improve fuel economy</li> </ul>                                                                                                                                                                         |
| <b>Long Life</b>                                   | <ul style="list-style-type: none"> <li>• Drain cycles 2-3 times longer than conventional oils</li> <li>• Reduces waste oil</li> </ul>                                                                                                                                                                                         |
| <b>Lab Tec<sup>SM</sup> Fluid Analysis Program</b> | <ul style="list-style-type: none"> <li>• Maximizes equipment and lubricant life and helps identify impending problems</li> </ul>                                                                                                                                                                                              |

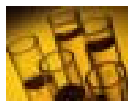
## Typical Physical Characteristics

|                                     |                |
|-------------------------------------|----------------|
| SAE Gear Oil Grade .....            | 75w90          |
| 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            |
| Color.....                          | Greenish Black |

**\* 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

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 • CLP Din 151517 parts I, II, III • Ford WDS M2C200-C

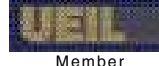


**A Product of SPX Technology™.**

... 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) .....           | 14+         |
| 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          |
| Four-Ball EP Kg.....                                         | 400         |



## Southwestern Petroleum Lubricants, LLC

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