

PERFORMANCE

## Supreme Formula Engine Oil

- Designed for Older Equipment Requiring Higher Zinc Levels
- Exceeds Most Engine Requirements For Superior Soot Handling & Improved Performance In New EGR Engine Designs
- 306 SAE 10W-30, 15W-40, and 20W-50 are recommended for use as a break-in oil in rebuilds.



*SWEPCO 306 provides superior protection and cost efficiency in demanding trucking, mass transit, mining, construction, manufacturing and municipal services applications ... mobile or stationary ... diesel or gasoline.*

SWEPCO 306 Supreme Formula Engine Oil is a premium quality, multi-purpose, extended service engine oil specially formulated to provide superior performance under the most demanding operating conditions. Its multi-grade all-season formula means you can lubricate your entire fleet, even new engine designs, year-round, with SWEPCO 306. It provides outstanding wear control, service life, cleanliness, thermal stability and corrosion resistance for most diesel and gasoline engines.



SWEPCO 306 is formulated from the very finest high VI 100% solvent refined paraffinic base stocks available and the most advanced additive chemistry, including *DIMONYL*<sup>®</sup>, SWEPCO's proprietary anti-wear additive.

Easier cold weather starting with less wear are additional benefits associated with SWEPCO multi-graded weights.

Because SWEPCO Engine Oil provides superior performance for a longer period of time, SWEPCO 306 saves money through overall reduced lubrication costs, including fuel conservation, reduction of waste, reduced maintenance costs and extension of equipment and oil life.

Recommended for equipment older than 2010 or off road equipment with no emission controls.

### All Engine Oils Are NOT Equal ...

**Which performance level do you want protecting your engines? The piston on the left was run with SWEPCO 306. The piston on the right was run with a conventional major brand engine oil. Notice the reduced carbon deposits, varnish, oxidation, sludge, piston scuffing and clean ring channels.**

| Feature  | Benefit   |
|--|---|
| High VI Paraffinic Base Stock                      | <ul style="list-style-type: none"> <li>• Gives you a more uniform viscosity over a wide temperature range</li> <li>• Helps improve high temperature oxidation and thermal stability</li> <li>• Better low temperature flow characteristics help reduce start-up wear</li> <li>• Extends service life</li> </ul>   |
| Multi-Grade  | <ul style="list-style-type: none"> <li>• Meets the requirements of more than one viscosity grade, resulting in a lubricant that bears the benefits of both viscosities</li> <li>• Made to lubricate effectively over a wider temperature range than a single grade oil allowing you to keep lubrication simple year-round</li> </ul>  |
| <i>DIMONYL</i> ®                                   | <ul style="list-style-type: none"> <li>• Acts as a synergist enhancing the performance of base stock and additives</li> <li>• Forms a protective film eliminating premature wear and reducing friction</li> <li>• Helps improve fuel economy by reducing friction and drag</li> <li>• Helps build the film strength required to withstand extreme pressures</li> </ul>  |
| Oxidation Inhibitor                                | <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>  |
| Rust and Corrosion Inhibitor                       | <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>  |
| Anti-Foam Additive                                 | <ul style="list-style-type: none"> <li>• Can lower oil operating temperatures by 25 -50 degrees F by dispersing the foam and releasing the trapped heat</li> </ul>  |
| Oiliness Additive                                  | <ul style="list-style-type: none"> <li>• Enables the oil to penetrate the surface for better lubrication</li> </ul>   |
| Anti-wear Inhibitor                                | <ul style="list-style-type: none"> <li>• Helps prevent friction and wear</li> <li>• Helps prevent metal to metal contact</li> </ul>   |
| Detergent Additive                                 | <ul style="list-style-type: none"> <li>• Helps keep engine parts clean, neutralizes acids formed during combustion</li> </ul>   |
| Dispersant Additive                                | <ul style="list-style-type: none"> <li>• Helps keep solid contaminants in the oil in colloidal suspension, preventing sludge and varnish deposits on engine parts</li> </ul>  |
| Pour Point Depressant Additive                     | <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>  |
| Viscosity Index Improver Additive                  | <ul style="list-style-type: none"> <li>• Less high temperature thinning and low temperature thickening</li> </ul>   |
| Saves Fuel   | <ul style="list-style-type: none"> <li>• Increased "oiliness" provides anti-friction film to reduce fuel consumption</li> </ul>   |
| Long Life  | <ul style="list-style-type: none"> <li>• Works harder for a longer period of time thus easing the cost and your worries about waste oil disposal</li> </ul>   |
| Multi-Purpose Formulation                          | <ul style="list-style-type: none"> <li>• Reduces inventory and lubrication errors to save you money</li> </ul>  |
| SWEPCO Lab <i>Tec</i> <sup>SM</sup> Fluid Analysis | <ul style="list-style-type: none"> <li>• Can maximize equipment and lubricant life and pinpoint impending problems</li> <li>• Reduces waste</li> </ul>  |
| Bottom Line  | <ul style="list-style-type: none"> <li>• Extends the life of your expensive equipment</li> <li>• Conserves fuel</li> <li>• Reduces waste disposal</li> <li>• Increases the service life of the oil</li> <li>• Reduces labor costs through decreased and simplified maintenance</li> <li>• Reduces costly scheduled and unscheduled downtime</li> <li>• Multi-purpose formulation that reduces inventory and lubrication errors</li> </ul> |

### Exceeds These Specifications:

- Mack EO-M PLUS (except 5w-30)
- Cummins CES 20076,20077, 20078 & M11 (except 5w-30)
- Daimler Benz 228.3 AND 228.1 (15w-40 & 20w-50)
- CAT ECF-1, 1P, 1M-PC and 1 K
- Detroit Diesel 7SE270
- MIL-PRF-2104G
- ACEA E-3 AND E-5
- Global DHD-1 (15w-40)
- Mack T-8,T-8E and T-9
- CCMC G4, G5, D4, D5 & PD-2
- Allison C-4
- Ford ESE - M2C153 E
- Japanese Engine Manufacturers (15w-40)
- Caterpillar TO-2
- Volvo VDS-3, VDS-2 (15w-40 & 10w-30)
- API CI-4/SM/SL

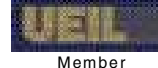
### Typical Properties:

|   |           |           |           |           |
|---|-----------|-----------|-----------|-----------|
| SAE Grade                                   | 5W-30     | 10W-30    | 15W-40    | 20W-50    |
| Density, lbs/gal                            | 7.303     | 7.00      | 7.36      | 7.38      |
| Density, kg/l                               | 0.870     | 0.838     | 0.881     | 0.884     |
| Viscosity, cSt @ 40° C                      | 76.79     | 85.4      | 106.0     | 133.7     |
| Viscosity, cSt @ 100° C                     | 11.87     | 12.00     | 13.48     | 16.88     |
| Viscosity Index                             | 150       | 135       | 125       | 137       |
| Cold Crank Viscosity, SAE J300, ASTM D-5293 |           |           |           |           |
| Viscosity, cP @ -15° C                      | -         | -         | -         | 3900      |
| Viscosity, cP @ -20° C                      | -         | -         | 5950      | -         |
| Viscosity, cP @ -25° C                      | -         | 6050      | -         | -         |
| Viscosity, cP @ -30° C                      | 5800      | -         | -         | -         |
| Pour Point ° F, Max (°C)                    | -38 (-39) | -34 (-37) | -30 (-34) | -22 (-30) |
| Flash Point, COC, ° F, Min (°C)             | 392 (179) | 405 (207) | 430 (221) | 430 (221) |
| Total Base Number                           | 10.3      | 10.3      | 10.3      | 10.3      |
| Color                                       | purple    | purple    | purple    | purple    |



#### A Product of SPX Technology™.

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



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