

## Premium Plus Diesel Engine Oil

- **Advanced anti-oxidant chemistry reduces high temperature deposits by as much as 50% over conventional oils**
- **Formulated with Moly<sup>XP</sup> for unsurpassed protection from wear**
- **Exceeds ACEA E9, Caterpillar ECF-1, 1A & 3, Cummins CES 20081, Mack EO-O Premium Plus 07, Detroit Diesel 93K218, Mercedes-Benz 228.31, Volvo VDS 4**



**No compromises here. SWEPCO 308 exceeds the industry's most demanding performance requirements, especially for 2007 and later low emission over-the-road diesel engines.**

SWEPCO 308 Premium Plus Diesel Engine Oil is a high performance synthetic, multi-grade, long drain engine oil, especially formulated to provide industry leading protection from heat, wear and contaminants.

SWEPCO 308 not only meets, but exceeds, the unique service requirements of diesel engines equipped with low emission systems, such as diesel particulate filters (DPF), exhaust gas recirculation (EGR) and diesel oxidation catalysts (DOC).

To meet the cleanliness challenges of these modern engine systems and ultra-low sulfur diesel fuels, SWEPCO 308 has been carefully formulated to provide:

- Superior engine & filter cleanliness
- Superior oxidation resistance for longer drain service
- Added control of abrasive wear, particularly in liners and top rings

- High, stable TBN for longer service life and better protection from corrosive gases and contaminants
- Superior film thickness and shear stability

SWEPCO 308 achieves this new level of performance with the very finest **Syntheon<sup>TM</sup>** synthetic base stock blends and the most advanced additive chemistry, including **Moly<sup>XP</sup>**, SWEPCO's proprietary anti-wear/extreme pressure additive and proprietary state-of-the-art anti-oxidant chemistry.

For those who require the absolute best in performance from new generation over-the-road diesel engines, SWEPCO 308 is the very best choice. Because it is backwards compatible, it provides a new generation of protection for older diesel engines, off-road diesel equipment, gasoline engines and mixed fleets.

Protect your engines with the premium choice ... SWEPCO 308.

Feature	Benefit
<b>Syntheon™ Synthetic Base Stock Blends</b>	<ul style="list-style-type: none"> <li>• Insure more uniform viscosity over a wide temperature range</li> <li>• Help improve high temperature oxidation and thermal stability</li> <li>• Better low temperature flow characteristics help reduce start-up wear</li> <li>• Extend service life</li> </ul>
<b>Multi-Grade</b>	<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>
<b>Moly<sup>XP</sup></b>	<ul style="list-style-type: none"> <li>• Acts as a synergist along with other anti-wear additives to eliminate premature wear and reduce friction</li> <li>• Helps improve fuel economy by reducing friction and drag</li> <li>• Insures protection from extreme pressures</li> </ul>
<b>State-of-the-Art Oxidation Inhibitors</b>	<ul style="list-style-type: none"> <li>• Reduce oil thickening and deposits by as much as 50%; extend oil life</li> <li>• Help prevent sludge, varnish and carbon deposits that result from oxidation</li> </ul>
<b>TBN Booster/Stabilizer</b>	<ul style="list-style-type: none"> <li>• Increase ability to neutralize harmful acids and corrosives</li> <li>• Lengthen service life</li> </ul>
<b>Rust and 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 operating temperatures by 25-50° F by dispersing the foam and releasing the 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 Inhibitor</b>	<ul style="list-style-type: none"> <li>• Helps prevent friction and wear</li> <li>• Helps prevent metal to metal contact</li> </ul>
<b>Detergent Additive</b>	<ul style="list-style-type: none"> <li>• Helps keep engine parts clean, neutralizes acids formed during combustion</li> </ul>
<b>Dispersant Additive</b>	<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>
<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>Saves Fuel</b>	<ul style="list-style-type: none"> <li>• Increased "oiliness" provides anti-friction film to reduce fuel consumption</li> </ul>
<b>Long Life</b>	<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>
<b>LabTec<sup>SM</sup> Fluid Analysis Program</b>	<ul style="list-style-type: none"> <li>• Maximizes equipment and lubricant life and pinpoints impending problems</li> <li>• Reduces waste</li> </ul>

### Exceeds Performance Requirements of the Following Specifications:

- Mack EO-O Premium Plus 07, EO-N Premium Plus 03, EO-M Plus, EO-M, EO-L Plus, EO-L
- Volvo VDS-4, VDS-3, VDS-2
- Cummins CES 20081, 20078, 20077, 20076
- Daimler Benz 228.31, 228.3, 228.1
- ACEA E-9, E-7, E-5, E-3
- CAT ECF-1, ECF-1A, ECF-3, C1P, C1N
- Detroit Diesel 93K218, 93K215
- MAN M3275
- JASO DH-1
- Global DHD-1

### Typical Properties:

SAE Engine Oil Grade	5w40	15w40
Density, lbs/gal	7.22	7.23
Density, kg/l	0.867	0.867
Viscosity, cSt @ 40 ° C	80.77	113.48
Viscosity, cSt @ 100 ° C	12.90	15.34
Viscosity Index	155	142
Pour Point ° F, Max (°C)	-44 (-42)	-31 (-35)
Cold Crank Viscosity, cP	3000 @-30°C	4696 @-25°C
Flash Point, COC, ° F, Min (°C)	>400 (>204)	>400 (>204)
Sulfated Ash, % wt	<1.0	<1.0
Total Base Number	>10	>10
Color	purple	purple

**NOTE: Check for availability of all grades in all market areas.**



**A Product of SPX Technology™.**

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



## Southwestern Petroleum Corporation

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