



ADVANCED TECHNOLOGY IN LUBRICATION SINCE 1933

SWEPCO  
**333**

## **Elite Synthetic Blend Engine Oil**

- **Exceeds ILSAC GF-6 Service Classifications, API SP, Dexos 1 Gen 2**
- **Superior Fuel Economy**
- **Lower Engine Emissions**
- **Superior Engine Protection**
- **Protects Against Low Speed Pre-Ignition**

SWEPCO 333 Elite Synthetic Blend Engine Oil is a premium quality, extended service engine oil specially formulated with a proprietary additive package to exceed the requirements of ILSAC (International Lubricants Standardization and Approval Committee) GF-6 service classifications.

This is a leap forward in engine oil technology, especially designed for the modern engines and hybrids.

These classifications were designed to allow newer model gasoline engine automobiles and light trucks to achieve improved fuel economy, engine cleanliness, turbocharger protection, emission control system compatibility and protection of engines operating on ethanol-containing fuels up to E85.

SWEPCO 333 is available in three energy efficient multi-grades 0W-20, 5W-20 and 5W-30.

Meeting and exceeding these specifications with lightweight multi-grade oils assures users of improved fuel economy. But it also produces some significant lubrication challenges. Without proper formulation, low viscosity oils can lead to increased high temperature oxidation, sludge, varnish, high oil consumption and poor wear control.



SWEPCO's superior blend of premium synthetic base fluids and advanced additive chemistry reduces the volatility and oxidation characteristics of these lightweight base fluids. That means improved resistance to high temperature oxidation, oil thickening and oil consumption.

Additional chemistry improves resistance to high temperature deposits that can increase with unprotected lighter weight oils. And, *DIMONYL*<sup>®</sup>, SWEPCO's proprietary anti-wear additive, further reduces the risk of wear in vital engine parts. SWEPCO 333 achieves this with the reduced phosphorous levels required by these new specifications.

Greater fuel economy, lower emission levels, longer oil life and less engine wear . . . you get it all and more when you use SWEPCO 333 in your automobile or light duty truck.

PERFORMANCE

Feature	Benefit
Premium Synthetic Blend Base Fluids	<ul style="list-style-type: none"> <li>• More uniform viscosity over a wide temperature range</li> <li>• Reduces high temperature volatility; superior 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 improve cold cranking performance &amp; reduces 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 worries about waste oil disposal</li> </ul>
SWEPCO Lab <i>Tec</i> SM Fluid Analysis Program	<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-grade formulation that reduces inventory and lubrication errors</li> <li>• Reduces low speed pre-ignition</li> </ul>


**Exceeds These Specifications:**

- ILSAC GF-6
- GM 6094M, Dexos 1 Gen 2
- Ford WSS-M26945-B1-5W20
- Ford WSS-M2C946-B1-5W30
- Ford WSS-M2C947-B1-0W20
- Chrysler MS 6395M
- MIL L 46152D and CID A A 52039B
- API SP

*Note: Not recommended for engines requiring earlier service classifications prior to 2007 or API SL or engines with flat tappet camshafts. SWEPCO 306 Supreme Formula Engine Oil should be used in engines with flat tappet camshafts.*

**Typical Properties:**

Property	0W20	5W20	5W30
Viscosity, cSt @ 40° C	42.4	41.8	56.4
Viscosity, cSt @ 100° C	8.01	7.76	10
Viscosity Index	164	158	165
Lbs/Gal	7.001	7.007	7.005
Specific Gravity @ 25° C	0.8394	0.8402	0.8399
Cold Crank mPas @ -35° C	2900	N/A	N/A
Cold Crank mPas @ -30° C	N/A	4500	4700
Low Temperature Pumping @ -40° C mPas	4800	N/A	N/A
Low Temperature Pumping @ -35° C mPas	N/A	7500	8500



**A Product of SPX Technology™.**

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



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