

Premium Multi-Grade Automotive Engine Oil

- **Exceeds ILSAC GF-5 Service Classifications**
- **Superior Fuel Economy**
- **Lower Engine Emissions**
- **Superior Engine Protection**

SWEPCO 303 Premium Multi-Grade Automotive Engine Oil is a premium quality, multi-grade, extended service engine oil specially formulated to exceed the requirements of ILSAC (International Lubricants Standardization and Approval Committee) GF-5 service classifications.

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 303 is available in three energy efficient multi-grades 5W20, 5W30 and 10W30.

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.



No engine oil provides more protection or cost efficiency for newer model gasoline engine cars, sport utility vehicles, vans and light-duty trucks calling for the API SN or ILSAC GF-5 service classifications.

But SWEPCO's superior blend of premium high VI base stocks and the most advanced additive chemistry reduces the volatility and oxidation characteristics of these lightweight base stocks. 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*[®], SWEPCO's proprietary anti-wear additive, further reduces the risk of wear in vital engine parts. And SWEPCO 303 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 when you use SWEPCO 303 in your automobile or light duty truck.

Feature	Benefit
Premium High VI Base Stocks	• Gives you a more uniform viscosity over a wide temperature range • Reduced high temperature volatility; superior thermal stability • Better low temperature flow characteristics help reduce start-up wear • Extends service life
Multi-Grade	• Meets the requirements of more than one viscosity grade, resulting in a lubricant that bears the benefits of both viscosities • Made to lubricate effectively over a wider temperature range than a single grade oil allowing you to keep lubrication simple year-round
DIMONYL®	• Acts as a synergist enhancing the performance of base stock and additives • Forms a protective film eliminating premature wear and reducing friction • Helps improve fuel economy by reducing friction and drag • Helps build the film strength required to withstand extreme pressures
Oxidation Inhibitor	• Reduces oil thickening • Helps prevent sludge, varnish and carbon deposits that result from oxidation
Rust and Corrosion Inhibitor	• Builds a chemical bond with the surface to keep moisture and acids from penetrating and attacking the surfaces
Anti-Foam Additive	• Can lower oil operating temperatures by 25 -50 degrees F by dispersing the foam and releasing the trapped heat
Oiliness Additive	• Enables the oil to penetrate the surface for better lubrication
Anti-wear Inhibitor	• Helps prevent friction and wear • Helps prevent metal to metal contact
Detergent Additive	• Helps keep engine parts clean, neutralizes acids formed during combustion
Dispersant Additive	• Helps keep solid contaminants in the oil in colloidal suspension, preventing sludge and varnish deposits on engine parts
Pour Point Depressant Additive	• Gives the oil better low temperature flow characteristics • Helps improve cold cranking performance & reduce low temperature start-up wear
Viscosity Index Improver Additive	• Less high temperature thinning and low temperature thickening
Saves Fuel	• Increased "oiliness" provides anti-friction film to reduce fuel consumption
Long Life	• Works harder for a longer period of time thus easing the cost and your worries about waste oil disposal
SWEPCO LabTec SM Fluid Analysis Program	• Can maximize equipment and lubricant life and pinpoint impending problems • Reduces waste
Bottom Line	• Extends the life of your expensive equipment • Conserves fuel • Reduces waste disposal • Increases the service life of the oil • Reduces labor costs through decreased and simplified maintenance • Reduces costly scheduled and unscheduled downtime • Multi-grade formulation that reduces inventory and lubrication errors

Exceeds These Specifications:

- ILSAC GF-5, GF-4, GF-3
- GM 6094M
- Ford M2C929A, M2C153H
- Chrysler MS 6395M
- MIL L 46152D and CID A A 52039B
- European Engine Manufacturers
- Japanese Engine Manufacturers

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

Typical Properties:

SAE Grade	5W-20	5W-30	10W-30
Density, lbs/gal	7.089	7.146	7.050
Density, kg/l	0.850	0.857	0.846
Viscosity, cSt @ 40° C	45.7	60.9	60.7
Viscosity, cSt @ 100° C	8.2	10.1	10.6
Viscosity Index	156	153	165
Color	purple	purple	purple
Pour Point ° F, Max	-42	-36	-36
Pour Point ° C, Max	-41	-38	-38



A Product of SPX Technology™.

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



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