



8530 MONOLEC® SPB™ Engine Oil

A high quality SAE 5W-30 Synthetic-Paraffinic Blend engine oil designed for today's passenger cars and light duty trucks equipped with gasoline engines.

LE's 8530 MONOLEC® SPB™ Engine Oil is a blend of high quality synthetic and paraffinic base oils formulated with MONOLEC, LE's exclusive wear-reducing additive which is proven to reduce wear by 24.2% in radioactive wear tests.

LE's 8530 MONOLEC® SPB™ Engine Oil offers "all season" performance for gasoline engines in automobiles and light duty trucks, and is designed to exceed the most recent energy conserving engine specifications of ILSAC GF-4 and API SM.

USER BENEFITS:

These features are especially beneficial for passenger car and light truck gasoline engines operating in a wide variety of temperatures. This multigrade oil will provide a more stable viscosity (thin out less at high temperatures and thicken less at low temperatures) in extremes of temperature.

- LE's 8530 MONOLEC® SPB Engine Oil is designed for extended drain intervals in passenger car and light duty truck gasoline engines. ***It can reduce oil and fuel consumption.***
- Superior pour point depressants allow LE's 8530 MONOLEC® SPB™ Engine Oil to flow at sub-zero temperature for all-season, all-weather performance.

- A shear stable viscosity modifier is used to achieve the higher VI required to span the SAE 5W-30 grade.
- Oxidation inhibitors are combined with select synthetic and paraffinic base oils to give longer service life without excessive thickening or deposit formation.
- Foam suppressants provide a continuous film of lubricant protection, lower oxidation rate and better heat transfer.
- Rust and corrosion inhibitors ensure an impervious film to isolate metal from water.
- Other wear-reducing compounds act synergistically with MONOLEC® to control wear as pressure and temperatures rise.

SPECIFICATIONS:

Meets or exceeds gasoline engine manufacturers' specifications:

- API SM
- ILSAC GF-4
- Ford M2C 205 A
- General Motors 6094 M

WHAT IS MONOLEC®?

MONOLEC® is LE's exclusive wear-reducing additive which has proven its extraordinary performance in thousands of applications. It is an invaluable component in LE's engine oils, industrial oils and other lubricants bearing the MONOLEC® trademark.

MONOLEC® creates a single (mono-molecular) lubricating layer on the metal surface, vastly increasing film strength without affecting tolerances. MONOLEC® allows opposing surfaces to slide by one another, greatly reducing friction, heat and wear.



LUBRICATION ENGINEERS, Inc.
LEADERS IN LUBRICANTS

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LE Products manufactured under an
ISO 9001:2000 Certified Quality System

In the Falex Pin & Vee Block Wear Test (ASTM D-2670), a rotating steel pin is compressed between two steel blocks with a V shaped groove in each. The test specimens are immersed in the test oil. The blocks are loaded against the pin with a force of 350 lbs. for a five minute break-in period. After the break-in period the load on the rotating pin is increased to 600 lbs. The load is maintained at this level for 15 minutes. At this point, the wear on the pin and blocks is evaluated by counting the number of “teeth” on the wheel used to apply the load. A wear depth of 0.001 inch corresponds to 14.410 teeth on the loading wheel. The test is started at ambient temperature and the sample oil temperature increases from frictional heating. This is somewhat like “cold engine start,” which produces the highest engine wear rates.

Pin & Vee Block Test Results		
Engine Oil	Pass/Fail	Teeth of Wear
Pennzoil Synthetic Blend	Fail	
Pennzoil Pure Base	Pass	12
Valvoline Durablend SynBlend	Pass	10
Exxon Superflow 5W30	Fail	
Quaker State	Pass	22
Castrol GTX	Pass	26
Castrol Syntec	Pass	11
Mobil 1 Tri-Synthetic	Pass	12
LE's 8530 MONOLEC® SPB™ Engine Oil	Pass	5

LE's 8530 MONOLEC® SPB™ Engine Oil had significantly lower wear than the best of the 8 engine oils tested.



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