



PRODUCT INFORMATION SHEET

WYNN'S SUPREME ENGINE OIL STOP-LEAK

Product Number: 50606 24 x 350 ml

WYNN'S SUPREME ENGINE OIL STOP-LEAK is formulated with a dual action package that reduces crankcase oil loss caused by both external leaks and internal combustion.

Wynn's Supreme Engine Oil Stop-Leak also maintains excellent engine oil fluidity at low temperatures.

Advantages

- DUAL ACTION FORMULA

Proper engine lubrication is essential for a reliable, well-running vehicle. Two of the most common causes of rapid oil loss are external oil leaks and internal oil consumption. Wynn's Supreme Engine Oil Stop-Leak has an improved, dual action formula that reduces oil loss caused by both internal consumption and external leaks. This formulation improves the viscosity index and high temperature viscosity, controlling internal oil consumption while it conditions and gently swells rubber seals and gaskets, to stop and prevent external oil leaks.

- COLD-CRANKING ABILITY

During low temperature starts, Wynn's Supreme Engine Oil Stop-Leak maintains excellent engine oil fluidity. It will not reduce pumpability or cold-cranking ability below freezing temperatures.

Benefits

Wynn's Supreme Engine Oil Stop-Leak is designed to:-

- Reduce oil loss from external leaks and internal consumption.
- Condition and gently swell rubber seals and gaskets, to stop and prevent external oil leaks.
- Improve Viscosity Index and high temperature oil viscosity, to control internal oil consumption.
- Maintain excellent engine oil fluidity at low temperatures.

Applications

At operating temperatures, or while engine is warm, add contents of 350ml bottle of Wynn's Supreme Engine Oil Stop-Leak to engine oil with engine turned off.

Use at each oil change or as needed between oil changes. One bottle treats 4 to 6 litres of engine oil.

Do not exceed 10% treatment level.

Typical Characteristics

Appearance	Thick Clear Liquid
Colour (Visual)	Light Amber
Colour (ASTM D1500)	2.0
Density @ 15°C	0.865 (ASTM D 4052)
Flash Point (°C) COC	196 (ASTM D 92)
Viscosity @ 100°C (cSt)	522.9 (ASTM D 445)
Viscosity @ 40°C (cSt)	5446 (ASTM D 445)
Viscosity Index	281 (ASTM D 2270)
Boiling Point (°C)	>288
Freeze Point (°C)	-12
Volatiles (% Vol)	Nil

Performance Tests

The thick formulation of Wynn's Supreme Engine Oil Stop-Leak has a negligible effect on cold cranking properties. An API SF/CC SAE 10W-30 Motor Oil was treated with 6.9% Vol Wynn's Supreme Engine Oil Stop-Leak and compared with the neat motor oil, by conducting two cold-cranking laboratory tests at below freezing temperatures.

	<u>COLD CRANKING SIMULATOR AT -20°C (cP)</u>	<u>MINI-ROTARY VISCOMETER AT -25°C (cP)</u>
SAE 10W-30 (API SF/CC)	2,905	17,500
SAE 10W-30 (PLUS 6.9 %VOL WYNN'S SUPREME ENGINE OIL STOP-LEAK)	3,014	19,200
SAE 10W MAX LIMIT	3,500	30,000

Wynn's Supreme Engine Oil Stop-Leak is formulated with an effective seal swell additive. An API SF/CC SAE 10W-30 Motor Oil was treated with 8.0% Vol Wynn's Supreme Engine Oil Stop-Leak and compared with the neat motor oil, by conducting swelling tests on VITON seal material.

The VITON seal swelled 33% greater when subjected to the Wynn's Supreme Engine Oil Stop-Leak treated oil, compared to the neat motor oil.

Wynn's Supreme Engine Oil Stop-Leak was added to two petroleum mineral base oils at various concentrations, and was then subjected to swelling tests on BUNA N rubber compound.

<u>WYNN'S SUPREME ENGINE OIL STOP-LEAK (% Volume)</u>	<u>BUNA N RUBBER COMPOUND (% Volume Change)</u>	
	<u>BASE OIL A</u>	<u>BASE OIL B</u>
1.0	0.7	1.7
2.0	1.5	2.5
3.0	2.1	3.3