



PRODUCT INFORMATION SHEET

WYNN'S ENGINE SEALANT

Product Number: 50677 24 x 325 ml

WYNN'S ENGINE SEALANT is a **professional strength formula**, with a dual action package that reduces crankcase oil loss caused by both external leaks and internal combustion.

Wynn's Engine Sealant contains a shear stable polymer ensuring a longer lasting sealing effect as in comparison with general products for the same application.

Wynn's Engine Sealant still maintains excellent engine oil fluidity at low temperatures.

Advantages

- COLD-CRANKING ABILITY

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

- DUAL ACTION FORMULA

Two of the most common causes of rapid oil loss are external oil leaks and internal oil consumption. Wynn's Engine Sealant has an improved, dual action formula containing an extremely shear stable polymer to reduce oil seepage caused by loss of oil viscosity and give a longer lasting effect.

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.

Benefits

Wynn's Engine Sealant is designed to:-

- Provide a longer lasting effect than general products for the same application.
- Reduce oil loss from external leaks and internal consumption.

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- 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

For engines with an oil capacity between 4 to 6 litres capacity, add whole content of 325ml bottle of Wynn~~ç~~ Engine Sealant to engine oil with engine turned off. It is preferably done while the engine is warm. Do not add more than one bottle of Wynn~~ç~~ Engine Sealant to the engine oil, unless the engine oil capacity is greater than 8 litres. Use at each oil change or as needed between oil changes.

One bottle treats 4 to 6 litres of engine oil.

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

	<u>COLD CRANKING SIMULATOR</u> AT -20°C (cP)	<u>MINI-ROTARY VISCOMETER</u> AT -25°C (cP)
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 Engine sealant 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 Engine Sealant 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 Engine Oil Stop-Leak treated oil, compared to the neat motor oil.

Wynn's Engine Sealant was also added to two petroleum mineral base oils at various concentrations, to test compatibility with BUNA N rubber compound. The results are as follows:

<u>WYNN'S ENGINE SEALANT</u> (% Volume)	<u>BUNA N RUBBER COMPOUND</u> (% Volume Change)	
	<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

Again, the above test results show that a gentle but harmless swelling effect is recorded on Buna N type rubber.