ENOC VULCAN 999X ENERGY

PRODUCT DESCRIPTION

ENOC VULCAN 999X ENERGY is the latest API CK-4 performance product utilizing a **"Friction Management"** technology for heavy duty diesel engine oils.

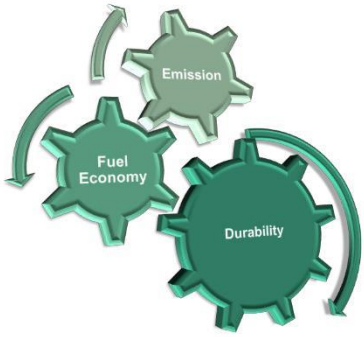
Leading features

Meets the latest & most advanced heavy-duty diesel specification API CK-4 along with latest global OEM specifications making it truly multi-fleet product.

API CK-4 DEO which is backward compatible to earlier generation of engines, but provides fuel economy benefits (need not go for API FA-4 which has restrictions in backward compatibility).

Provides outstanding wear protection as demonstrated in advanced high-powered diesel engines (3 times performance reserve) *

Excellent oil consumption control



APPLICATIONS

Suitable for heavy and light duty commercial vehicles meeting latest global emissions standards as well as older fleet vehicles.

Suitable for Agricultural, mining and construction vehicles meeting EU stage IIIA, IIIB and IV and US Tier 4 emissions standards as well as older generation equipment.

PERFORMANCE STANDARDS

VULCAN 999X ENERGY meets and exceeds the following International specification

API	CK-4	**Caterpillar**	ECF-3
ACEA	E6, E7, E9	**MAN**	M3677
Volvo	VDS-4.5	**Renault Trucks**	VI RLD-3
MB Approval	228.51	**MTU**	Type 3.1
Detroit Diesel	DDC 93K218	**JASO**	DH-2
MACK	EOS-4.5	**Cummins**	CES 20081
Duets	DQC IV-10 LA		

Always follow equipment manufacturer's recommendations for required lubricant performance level and oil drain intervals.

BENEFITS

VULCAN 999X ENERGY provides:

Durability = Longer Engine Life

Fuel Economy = Saves you money

Emission= Protect our future

- Provide outstanding wear protection 3 times better than the standard limits
- Outstanding fuel economy through its unique "friction management" technology
- Increase oil drain interval and reduce oil top-up due to its excellent consumption control capabilities.
- Protects and enhance Exhaust After Treatment Devices EURO VI and beyond

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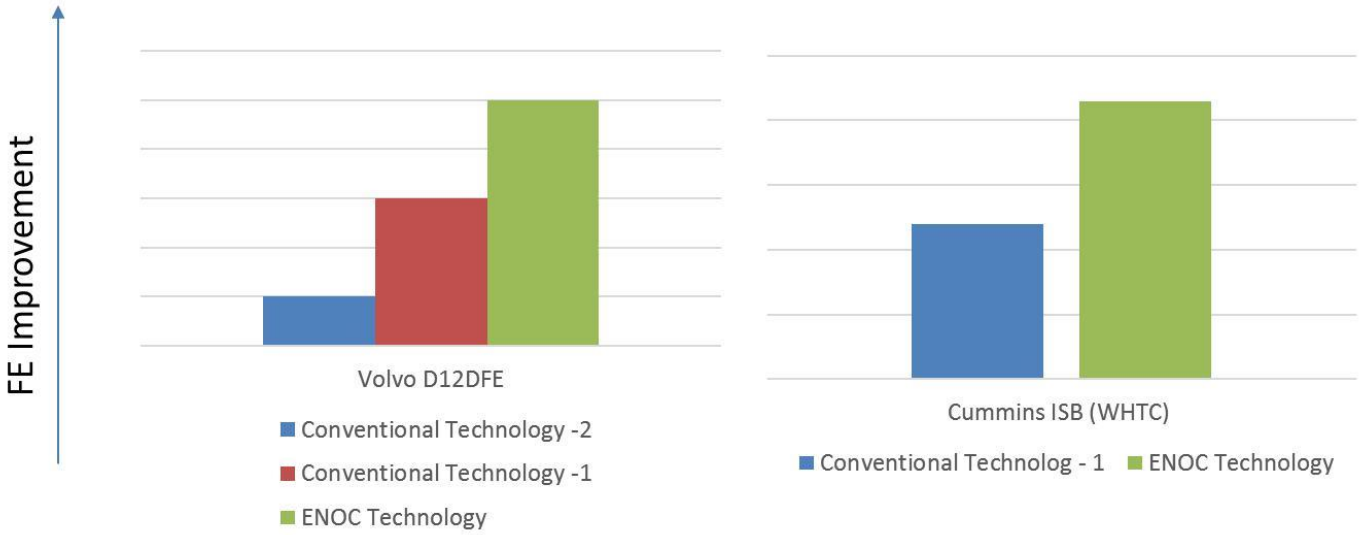
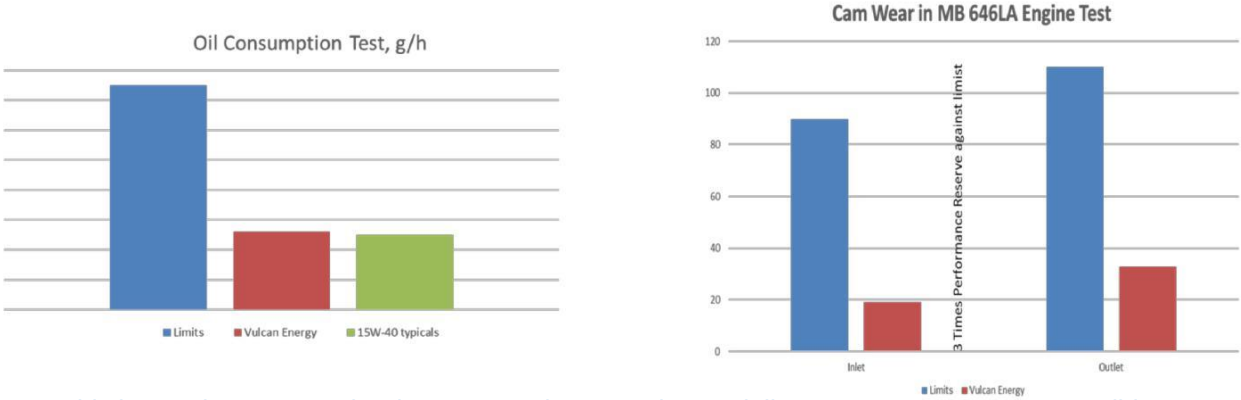
- Excellent resistance to aeration insuring better anti oxidation and hydraulic performance.
- Superior resistance to oil thickening/sludge formation, outstanding deposit control and improve engine life
- Excellent low temperature viscosity insures lowest cranking resistance and prompt pumpabiltiy creating full flow film.

Outstanding fuel economy through“Frictionits Managuique”technologyme



Advanced lubricant like ENOC Vulcan Energy 999X with 1% savings in fuel compared to conventional higher viscosity engine oils can yield huge fuel savings & reduction in CO2 emissions.

- For a heavy-duty truck covering 150,000km per year. This could result in fuel savings of up from 2000 to 5000 USD depending on fuel prices in a country and a reduction in CO2 emissions of up to 1.4 MT per truck per year.
- For a bus covering 70,000km per year. This could result in fuel savings of up to 1000 to 2800 USD depending on fuel prices in a country and a reduction in CO2 emissions of up to 0.75 MT per bus per year.



This is very important to be demonstrated & proved especially on possible Customer concern of wear problems associated with lower viscosity fluid

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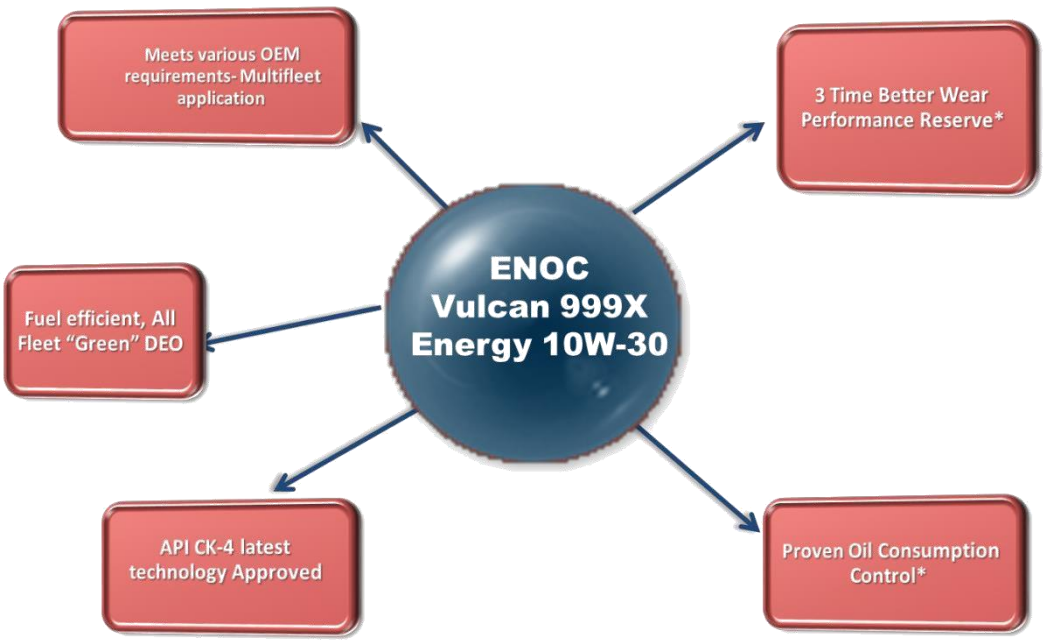

TEST	TEST METHOD	RESULTS
SAE		10W-30
Appearance	Visual	Clear & Bright
Density @ 29.5 °C, kg/L	ASTM D 4052	0.8584
Kinematic Viscosity @ 100 C, mm /s^2	ASTM D 445	12.2
Viscosity Index	ASTM D 2270	143
Base Number, mg KOH/g	ASTM D 2896	9.63
Pour Point, °C	ASTM D 6749	-39
Flash Point, °C	ASTM D 92	236
Product Code		200068

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT
The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. Handled correctly there are no special precautions suggested.

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