

MACH-DRIVE
NanoEnergizer®
ENGINE PLATINUM CERAMIC COATING

**“ADD A LITTLE,
SAVE A LOT”**



**“ AN ATHLETE
AND YOUR CAR
ARE NO
DIFFERENT “**

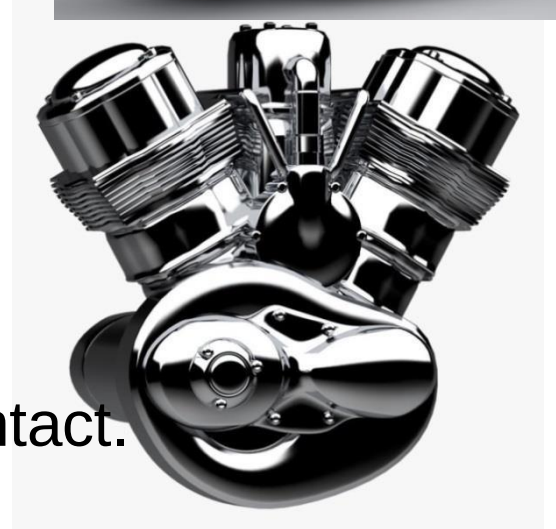
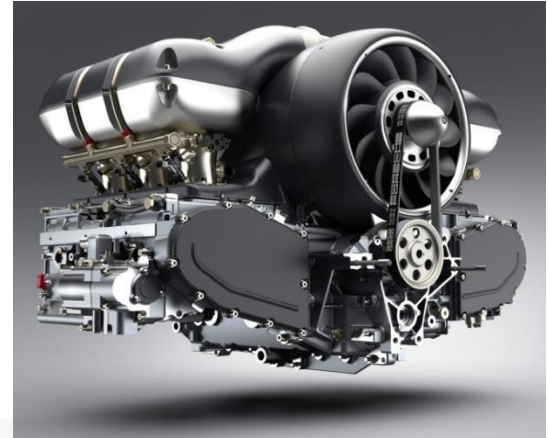


**THE SECRET OF SUCCESS
IS HEART POWER**

Why Engine Health is Important?

Engine Health: Keep vehicle working at its best

- There are many benefits to ensure Vehicle's engine is in good health & working order.
 - For one, it will live longer, and will be less likely to suffer breakdowns as it ages.
 - Enjoy lasting performance, with minimal dips in speed, responsiveness and fuel efficiency.
 - And, regular engine maintenance will help the car's value intact.



In India, 1 car emits
4600 kg of carbon
dioxide every year*

To absorb this, ~220
fully grown trees are
required^



1 in 8 death every year is
due to lung diseases
caused by bad air quality

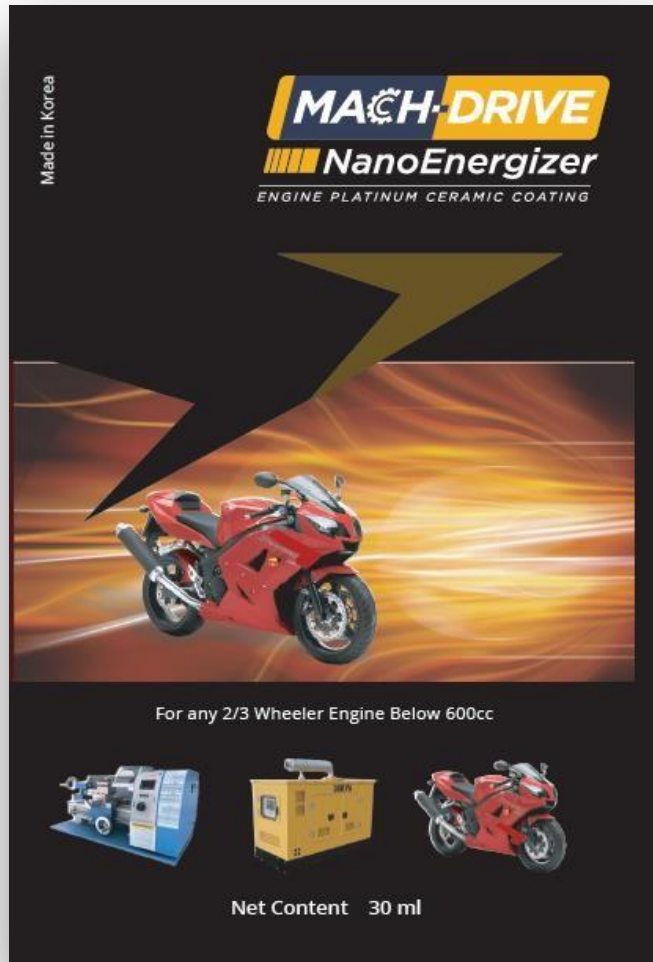
India has 6/10 most air
polluted cities in the world



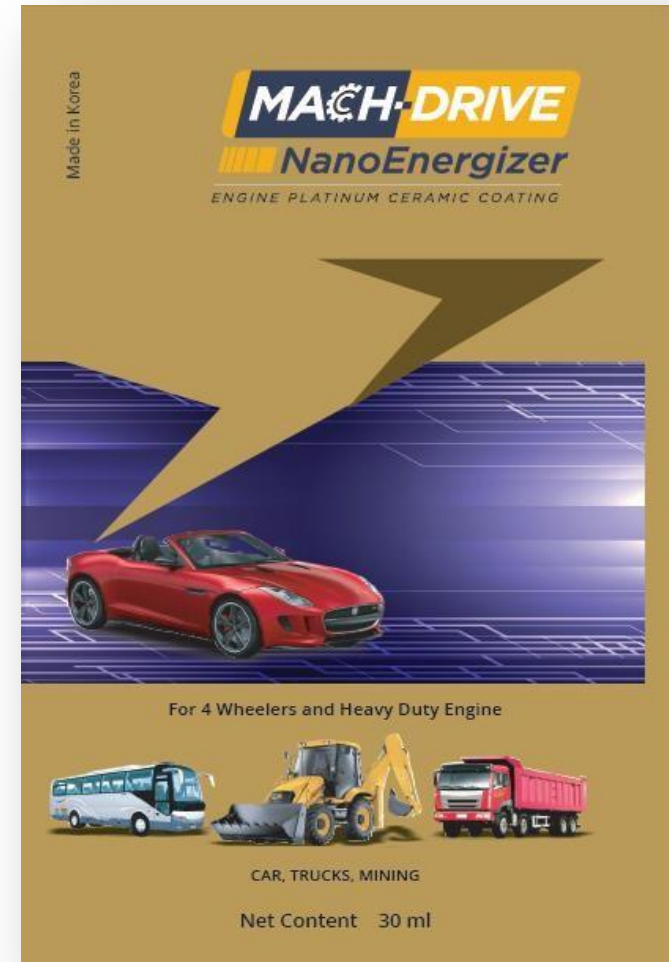


Presenting you a solution to make
your vehicles engine more efficient
and contribute towards
environment

MACH-DRIVE Nano Energizer



**A Unique &
Revolutionary
Technology,
to enhance
engine
efficiency and
also reduce
pollution**



NANOTECHNOLOGY REVOLUTION... FOR EVERYONE !!



INDUSTRIAL APPLICATION

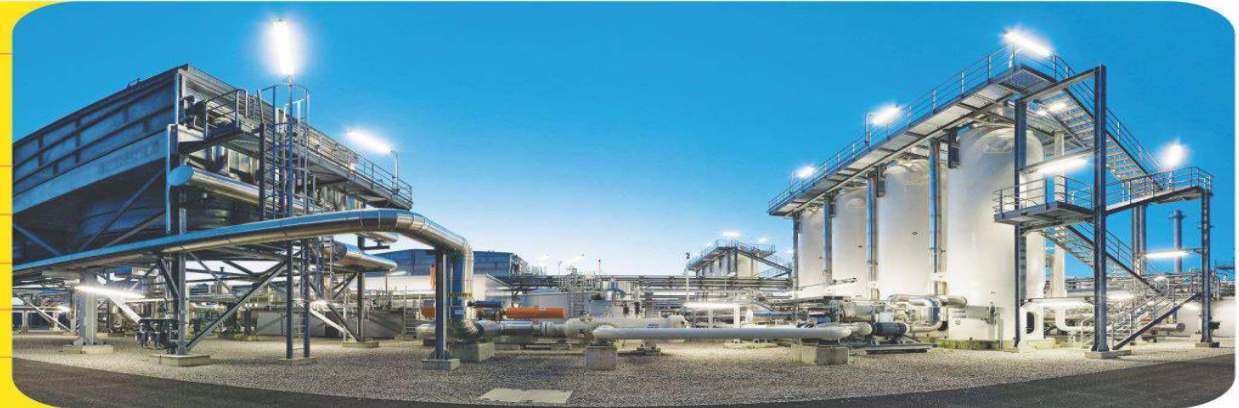
You might be in any Industry, be it food, metals, toys, heavy machinery or an ancillary unit, a small scale unit or in mining...you must be having machine parts that move against each other. And wherever there is movement, there is friction, with friction comes wear and tear, maintenance and eventually breakdown of the machine parts!

Nano Energizer is a revolutionary NANO TECHNOLOGY product which reduces friction by almost upto 90%.It contains Platinum coated Zirconium powder which when added to any lubricant, automatically coats the friction surface with 20nanometer particles of PLATINUM and ZIRCONIUM producing a hard and smooth protective surface.

NANO ENERGIZER is the only product in the world which repairs and restores any friction surface like compressors, bearings, generators, conveyor belts without ever opening the machine part.

BENEFITS

- **Restores and Repairs Moving Parts without Opening**
- **Reduces Friction**
- **Saves Electricity**
- **Reduces Noise and Vibration**
- **Lowers Maintenance Costs**
- **Lesser Breakdowns**



APPLICATIONS

COMPRESSORS | PRESSES | PUMPS | MOTORS | GENSETS | BEARINGS
GEAR BOXES | CONVEYOR BELTS | AUTOMOBILES | FORKLIFTS | TRUCKS | LIFTS

ACTUAL EXPERIENCE CASE STUDY

NANO ENERGIZER was tested in Ordnance Factory, Ambazari, Nagpur on a Large Kirloskar Air Compressor.

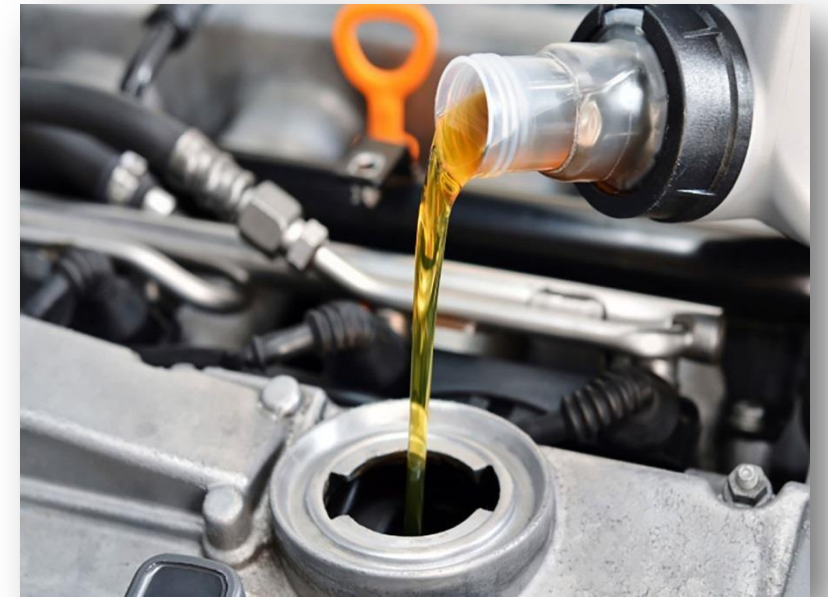
Findings over 6 months of testing period :

- a) **Power consumption reduced by 12%**
- b) **Noise reduced by 10%**
- c) **Temp reduced by 5 degrees**



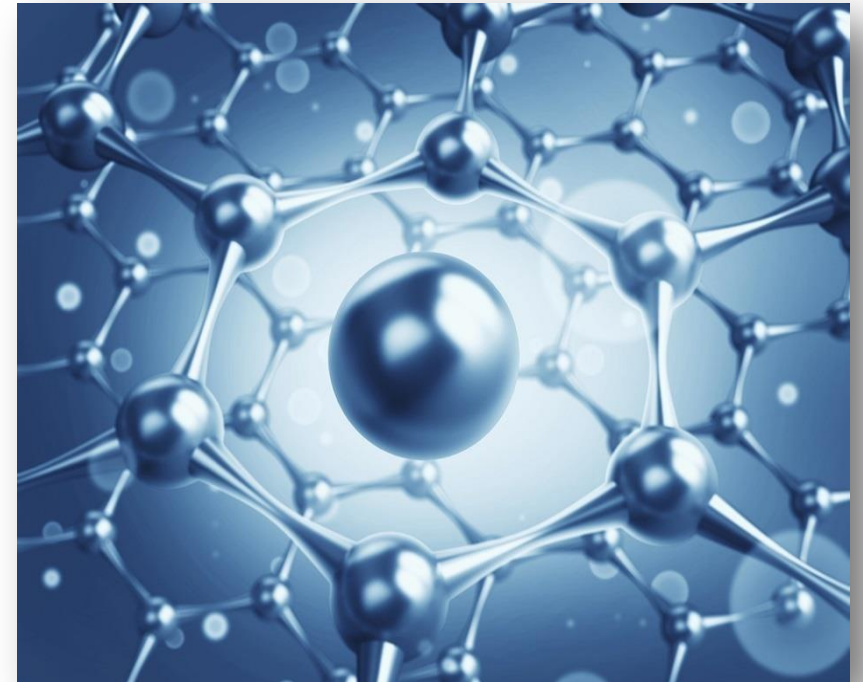
What is MACH-DRIVE Nano Energizer

- MACH-DRIVE Nano Energizer is an additive for engine along with Engine oil for better engine health
- It gives platinum ceramic coating to engine, platinum is 20 times harder and 5 times shinier than steel
- The result is a smoother, quieter engine with more power and better mileage



What is MACH-DRIVE NanoEnergizer

- A **Unique & Revolutionary** Technology
MACH-DRIVE is a perfect **Nano Cermet** - which is produced using a **Ceramic plus Metallic Coating Technology**.
- It contains **20 Nano Meter Platinum Coated Zirconium Powder** emulsified in mineral oil which is ideal for engine **restoration & protection**.



BENEFIT OF MACH-DRIVE NanoEnergizer

- This is the only technology in the World which can convert any BS-IV Engine into BS-VI Engine without ever opening it for the next **30,000 Kms.**
 - It reduce **Engine drag, friction and noise**
 - Bring engine **power to 100%**
 - **Increase compression**
 - Restore and **protect engine**
 - **Reduce fuel** consumption
 - Educe **harmful exhaust emissions of all engines**



MAJOR FUNCTIONS



**IMPROVES MILEAGE
UPTO 15% SAVING &
FAST START**



MORE PICKUP



**REDUCES NOISE AND
VIBRATION LEVELS**



**RESTORES FRICTION
SURFACES AND ENHANCES
ENGINE LIFE**



**REDUCES OVERALL EMISSION
UPTO 70%**



**SINGLE COATING LASTS
UPTO 30,000 KMS**

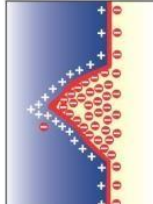
NanoEnergizer: Improves Engine Efficiency

- Brings engine power up to 100%
- The Nano Energizer uses Revolutionary & Patented Nano Ceramic Technology It allows for easy Treatment of Engines and Restores, Repairs & Protects.
- Ceramic coating, especially with Zirconium, has a beneficial effects on engine efficiency and performance

ifs NANO



Excellent Ceramic cermet coating
Restoring process
nano powder mixed with engine oil heals worn-out engine.



Self-restoring effect:
Cracked parts have high electric potential and charged particles are moved selectively. Tight nano particle cohesion is conducted by heat and pressure.



After restoring, cracked parts of engine is recovered, and the nano powder forms lubricant membrane on inner wall of engine.

Before	After
	

Recovery State
Surface before & after nano powder treatment

MACH-DRIVE NanoEnergizer: Improves Fuel Saving

- Fuel saving upto 15%
- Better mileage
- 9th fuel filling could be free



The illustration shows a red fuel pump nozzle dispensing a stream of golden Euro currency symbols into a pink piggy bank. The piggy bank is sitting on a pile of gold coins, symbolizing the savings achieved by using the NanoEnergizer.



The diagram consists of two rows of fuel pump icons. The top row has icons numbered 1 through 4, and the bottom row has icons numbered 5 through 8. To the right of these is a larger, more prominent icon numbered 9, which is highlighted to represent the 9th fuel filling being free.

Suppose, your vehicle's current mileage is 60 km per Rs 100-worth fill, after using NanoEnergizer (post 500 km run), if the vehicle's mileage goes up to 69 km per Rs 100-worth fill, it implies that the mileage (5-15% savings) has increased such that your savings are equivalent to the cost of a ninth filling.

*Disclaimer: On an average 10% savings is arrived by testing an engine under test conditions and will vary according to the usage conditions and vehicles.

MACH-DRIVE NanoEnergizer: Reduces emission

- Platinum coating helps to reduce emission upto 70%
- It also reduces noise and vibration

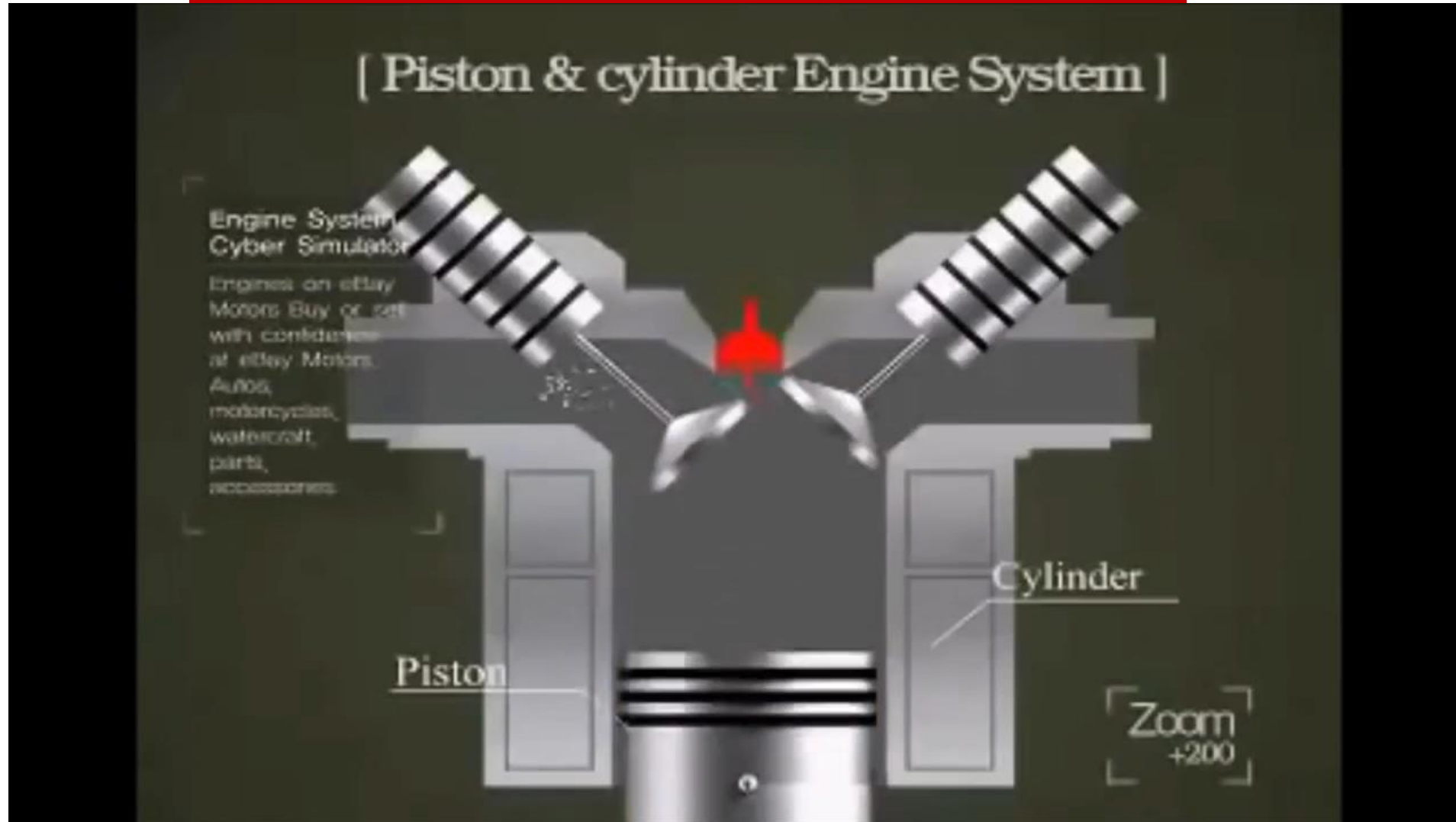


MACH-DRIVE NanoEnergizer: One time application

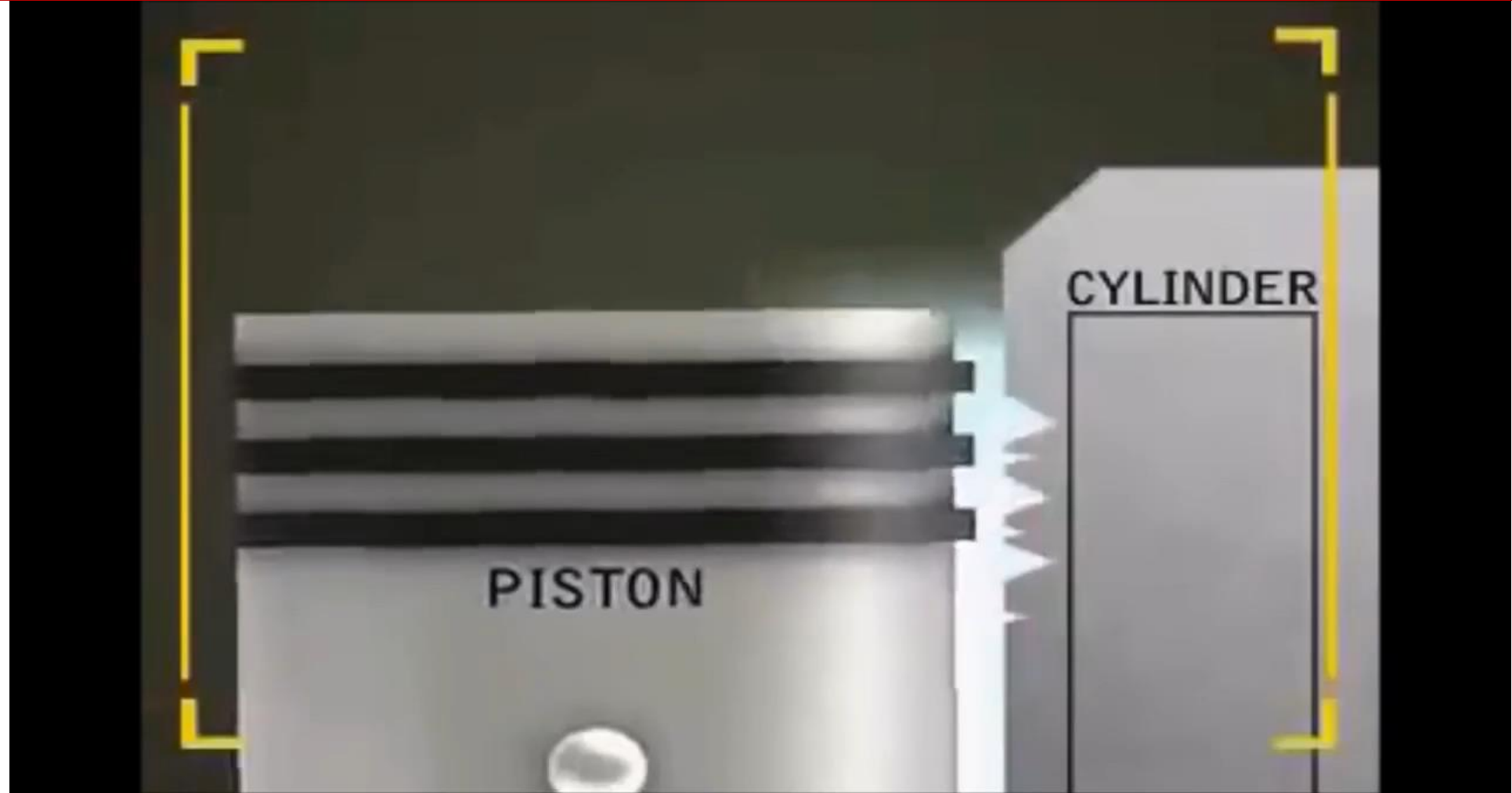
- Single time coating last up to 30,000 km
- After 30,000 km, apply again and make engine new again



How does ENGINE works?



How does MACH-DRIVE NanoEnergizer works?



Change in Engine after MACH-DRIVE NanoEnergizer

Before



After



**MACH-DRIVE
NanoEnergizer
Makes Vehicle
Engine Almost
New**

MACH-DRIVE NanoEnergizer

- With MACH-DRIVE NanoEnergizer **avoid frequent service station visits**
- **Save time and money**



Why MACH-DRIVE NanoEnergizer even in lockdown?

- Due to Lockdown, our vehicles are parked since long
- This can make the engine oil settled at bottom
- **Sudden self start can lead to serious injury to engine, even it can seize**
- **Platinum coating can prevent damage to engine and can repair it**



How to apply MACH-DRIVE NanoEnergizer?

- It can be applied **after the engine oil is changed**, there is no need for re-dosing, recommended to change **upon driving 30,000 km.**

Injection Method:

- Warm up your vehicle engine for 10-15 minutes.
- Shake Nano Energizer enough (50 times) before injection.
Open oil filler cap and inject Nano Energizer slowly.
- Close oil filler cap and keep idle for 20 minutes or drive 30km.
- Do not change engine oil for next 400km for 2W/3W , 1200km for 4W and 3000km for heavy duty vehicles



MACH-DRIVE NanoEnergizer Certifications

**MACH-DRIVE
NanoEnergizer is
certified from various
vehicle manufacturers**



Mercedes-Benz



TOYOTA



HYUNDAI



GM DAEWOO

बिना गाडी खोले

CONVERT
BS IV - BS VI
ENGINE

MACH-DRIVE

NanoEnergizer®

ENGINE PLATINUM CERAMIC COATING



Emission Standards for Light Duty Vehiclesⁱⁱⁱ

		BS-IV Norms			BS-VI Norms		
Diesel Vehicles	Unit	M & N1 Class I	N1 Class II	N1 Class III	M & N1 Class I	N1 Class II	N1 Class III
CO	mg/ km	1000	1810	2270	1000	1810	2270
HC	mg/ km	-	-	-	-	-	-
HC+NOx	mg/ km	300	390	460	170	195	215
NOx	mg/ km	250	330	390	80	105	125
PM	mg/ km	25	40	60	4.5	4.5	4.5
Petrol Vehicles	Unit	M & N1 Class I	N1 Class II	N1 Class III	M & N1 Class I	N1 Class II	N1 Class III
CO	mg/ km	500	630	740	500	630	740
HC	mg/ km	100	130	160	100	130	160
HC+NOx	mg/ km	-	-	-	-	-	-
NOx	mg/ km	80	100	110	60	75	82
PM	mg/ km	-	-	-	4.5	4.5	4.5

M category include motor vehicles having at least four wheels and for the carriage of passengers

N1 Class I include Power-driven vehicles having at least four wheels and for the carriage of goods (< 3.5 tonnes)

N1 Class II include Power-driven vehicles having at least four wheels and for the carriage of goods (>3.5 tonnes and < 12 tonnes)

N1 Class III include Power-driven vehicles having at least four wheels and for the carriage of goods (> 12 tonnes)

Source: http://transportpolicy.net/index.php?title=India:_Light-duty:_Emissions

Fuel Type	Pollutant Gases	BS6 (BSVI)	BS4 (BSIV)
Petrol Passenger Vehicle	Nitrogen Oxide (NOx) Limit	<60mg>	<80mg>
	Particulate Matter (PM) Limit	<4.5mg/km	-
Diesel Passenger Vehicle	Nitrogen Oxide (NOx) Limit	<80mg>	<250mg>
	Particulate Matter (PM) Limit	<4.5mg/km	<25mg>
	HC + NOx	170mg/km	<300mg>

Test Report No. : ALPL/08062015/A dated 08.06.2015

Page 1 of 2

Issued To : M/s Savefuel Tech Pvt. Ltd. 302,Utkarsh Nirman Apartment,Sadar, Nagpur-440001 Attention : Mr. Rajesh Shetty Contact No. :9665093827		Sample Inward No. 1516/G-79A Inward Date 24.04.2015 Reference Verbal communication Reference Date 24.04.2015	Analysis Start 26.04.2015 Analysis End 08.06.2015 Sample Category General
Sample Name Nanoenergizer & Nanomaxx	Sample Particulars / Details Not mentioned		Quantity Received 30 ml each
Sample Collected By M/s Savefuel Tech Pvt. Ltd.		Physical condition/Packaging Satisfactory/Sealed pouch	
Tests Required : Carbon monoxide, Hydrocarbon, Sulphur dioxide, Oxides of nitrogen, Oxygen, Noise level			

TEST RESULTS

S.No.		Test Parameter						
		Carbon monoxide (as CO)	Hydrocarbon	Sulphur dioxide (as SO ₂)	Oxides of nitrogen (as NO ₂)	Oxygen (as O ₂)	Noise level	
	Measurement Unit	ppm	%	ppm	ppm	%	Decibel	
							1m distance	5m distance
1	Initial observations in Xylo (Vehicle No. MH-31 CS 4077)	392	ND	ND	136	15.7	64.4	59.3
2		407	ND	ND	137	15.5	64.2	59.4
3		412	ND	ND	135	15.8	64.3	59.5
4		411	ND	ND	130	15.9	64.4	59.4
5		572	ND	ND	133	15.8	64.4	59.6
6		609	ND	ND	135	15.8	64.2	59.4
Average		467	ND	ND	134	15.8	64.4	59.4

Test Report No. : ALPL/08062015/A dated 08.06.2015

Page 2 of 2

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Sample Name Nanoenergizer & Nanomaxx	Sample Particulars / Details Not mentioned		Quantity Received 30 ml each
Sample Collected By M/s Savefuel Tech Pvt. Ltd.	Physical condition/Packaging Satisfactory/Sealed pouch		

Tests Required : Carbon monoxide, Hydrocarbon, Sulphur dioxide, Oxides of nitrogen, Oxygen, Noise level

TEST RESULTS

S.No.		Test Parameter						
		Carbon monoxide (as CO)	Hydrocarbon	Sulphur dioxide (as SO ₂)	Oxides of nitrogen (as NO ₂)	Oxygen (as O ₂)	Noise level	
	Measurement Unit	ppm	%	ppm	ppm	%	Decibel	
							1m distance	5m distance
1	Observations after 1000 Km in Xylo (Vehicle No. MH-31 CS 4077)	268	ND	ND	57	14.8	58.4	52.7
2		274	ND	ND	63	15.2	58.2	57.3
3		276	ND	ND	58	15.3	60.1	51.6
4		280	ND	ND	56	14.7	58.8	52.9
5		285	ND	ND	61	15.6	58.8	54.1
6		282	ND	ND	59	15.4	58.2	54.1
Average		278	ND	ND	59	15.2	58.8	54.1



Wing Commander DS Pai
Joint Director MT (Tech)

Tele : 011-23010231 Extn:7861
FAX : 011-26171279

Air Headquarters
Directorate of MT
West Block VI
RK Puram
New Delhi 110 066

Air HQ/63246/6/MT(T)

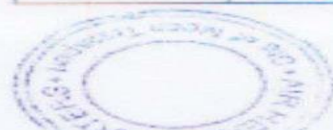
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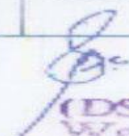
CERTIFICATE
TO WHOM SO EVER CONCERNED

SUBJECT : Introduction of Nano Energizer Nano Ceramic Coating Technology for Vehicles in IAF

1. This HQ has carried out trials on six vehicles held at Air Force Station Race Course, New Delhi for a period of three months wef 12 Dec 08. The vehicles used for trials have done average monthly kilometerage of 800 to 2000 KMs.
2. User trial of subject product has shown improvement in engine performance as well as enhanced KPL ranging from 0.79 % to 9.75%. To continue its usage, the product has been introduced in IAF and AF Station New Delhi is processing the case for procurement.
3. To undertake further procurement action by field units, the product has been allocated with following GIG No.s on "Integrated Material Management On- Line System" (IMMOLS) :-

Sl No	Description	Part No	GIG No
1.	Nano Enrgizer for small Petrol Engines	316NESE2009-01	1339388
2.	Nano Enrgizer for Gasoline Engines	316NEGE2009-02	1342243
3.	Nano Enrgizer for small Diesel Engines	316NEDE2009-03	1342246
4.	Nano Enrgizer for Bigger Diesel Engines	316NEDE2009-04	1342249




(DS Pai)
Wg Cdr
JDMT (T)

TESTING REPORT

Tested Vehicle: Hyundai Diesel 2.5CRDi(2,497CC)/2001/227,000km

Injection of Nano Energizer for Diesel(one bottle) dated by October 15, 2007

Road Testing by Testing Driver of Hyundai

Dynamometer Tester on Running 500km & 1,000km after injection

Testing Report:

After running 500km, noisy 6.3%, smoke 2.5% & fuel consumption 3.8% decreased

After running 1,000km, noisy 11.6%, smoke 27.5% & fuel consumption 8.8% decreased

Hyundai Diesel Truck 6,606CC/1997/301,000km

Injection of Nano Energizer for Diesel(two bottle) dated by October 17, 2007

Road Testing by Testing Driver of Hyundai

Dynamometer Tester on Running 500km & 1,000km after injection

Testing Report:

After running 500km, noisy 0%, smoke 1.7% & fuel consumption 3.6% decreased

After running 1,000km, noisy 8.5%, smoke 30.4% & fuel consumption 7.5% decreased

October 30, 2007



Senior Engineer/JK Yang

ENGINE TESTING DEPARTMENT OF
HYUNDAI MOTOR

Vorsprung durch Technik



Charmzone Motors
1008-5 Daechidong Kangnamku,
Seoul, Rep of Korea
Tel:02 555-3466 Telefax:02 555-3484
Email: info@czmotors.com

Date: August 17, 2010

Title: Certification as Official Dealer to Audi Korea

Supplier's Name: nanoTech International
Vendor Number: AD-348769XKR
Article Name: NanoEnergizer AIO(All-In-One Type)

It is certified that Quality of Nano Energizer AIO Type was positively approved on qualified Audi Testing procedure: testing of power, toque, noisy, emission and side effect.

Audi Korean Official Dealer: Chamzone Motors permit that Nano Energizer is officially allowed to be supplied to all Audi Automotive Service Centers in Rep of Korea and to be used to all types of Audi vehicles.

Cho Byungsoo
CEO & President
Chamzone Motors
Audi Official Dealer/Rep of Korea



HYUNDAI MOTOR GROUP



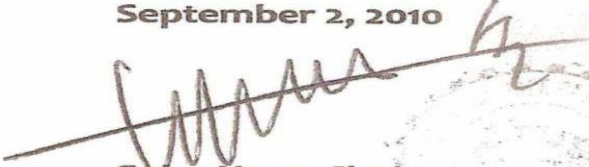
Supplier: nanoTech International
117-3 Chimsan, Daegu, Korea

Re: The Certificate of official Supplier

Product: NanoEnergizer All-In-One Type
Lubricant Oil Additive

It is certified that Hyundai Kia Motor Group approves nanoEnergizer: Engine Oil Additives to be used at Hyundai-Kia Maintenance Service Network, and nanoEnergizer is nano cermet coating additive for all Hyundai & Kia vehicles which need engine restoration & protection.

September 2, 2010



Sohn Hung-Chul

CEO/Vice President

Manufacturing Management Div

Hyundai-Kia Motor Group

July 27, 2010

Ref: HD-KR-2010-45320CM

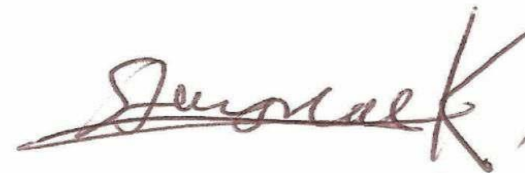
Subject: Quality Certificate & Approval

Supplier: NanoTec International
Hwasung Bldg 117-3 Chimsandong
Daegu
Korea

Quality Certificate of Nano Energizer All-In-One Type(AIO)

Upon international standard testing results of Nano Energizer AIO Type,
above NanoEnergizer AIO Additive complies with HONDA standard
specification of engine oil, and is approved to be used for HONDA vehicles.

Yours Sincerely,



Steve K. Jung
General Manager

Testing Vehicle: Volvo FH

13 Liter Engine No change

Manufactured Year 2002

Running Record 850,000km

Injection: Nano Energizer for Diesel 3 Bottles

Tested by Testing Department of Volvo Korea

Dynamometer Tester

Injection 3 Bottles of Nano energizer 3 Bottles

	Power	Noisy	Smoke	Fuel
Running 500km:	No change	No change	No change	No change
Running 1,000km	4% ↑	6% ↓	2% ↓	No change
Running 1,500km	8% ↑	11% ↓	9% ↓	4% ↓
Running 2,000km	13% ↑	13% ↓	11% ↓	6% ↓
Running 3,000km	13% ↑	16% ↓	12% ↓	8% ↓

Testing Result: running test after injected with Nano energizer for diesel.
Less than 500km running, no difference between before-inject and after-inject.
Running 1,000km, slight change was found.
After running 2,000km- 3,000km, significant change of power, noisy, smoke and fuel consumption was appeared with satisfied effect.

It is estimated that ceramic cermet coating of nano energizer is conducted on worn surface of engine surface at least 1,000km running after injection.

October 12, 2007



JunMan Kim

Engineering Manager

Testing Department of Volvo Korea



Hansung Motor Co Ltd/Official Dealer of Mercedes Benz
Hansung Motor Tower, 935-41 Bangbaedong Seocho, Seoul, Korea Tel: 02-533-3420

The Certificate for Engine Oil additive

Oil Additive Name: NanoEnergizer All-In-One Type

Supplier: nanoTec International
117-3 Chimsan, Bukgu, Daegu, Korea
Tel: 053-354-5502 Fax: 053-354-5503

Dear sirs,

NanoEnergizer All-In-One Type was tested strictly on the base of international standard Testing procedure & regulation of Mercedes Benz specification, and Testing was focused on standard operating of engine oil in Mercedes Benz vehicles, side effect of nano particles on metallic surface of cylinder and effect of power & noisy on running after injection of nano Energizer.

We are pleased to inform you that using of All-In-One Type NanoEnergizer has been approved, and the engine restoring effect of All-In-One Type Nano Energizer by nano ceramic cermet coating technology was testified by by Official Authorized Mercedes Benz Maintenance Center

Faithfully yours,

30th June, 2010

J.M. Ryun
Director
Hansung Motor Co Ltd
Official Dealer of Mercedes Benz



The Approval of Nano Energizer for Worn Engine Restoration

Brand Name: Nano energizer for diesel & gasoline engine
Submitted Samples: 10 Bottles of Nano energizer
Supplied by Manufacturer: nanoTec International
117-3 Chimsan Daegu, Korea

Tested by Engine Testing Dept & Road Testing Team of GM Daewoo Automobile

Testing Process: Dynamometer, Noise & Smoke Testing
by Engine Testing Dept of GM Daewoo Automobile

Road Testing: check point on running 500km, 1,000km, 3,000km & 5,000km
By GM Daewoo Road Test Team:

Testing Period: April 12 - May 20, 2007

Treated Vehicles: Tosca 1.8 DOHC 2007 Gasoline
Kalos 1.6LK 2007 Gasoline
Winstorm 2WDLS 2007 Diesel

Result & Response: Upon relevant testing by each depts, it is clarified that the restoration of worn engine with Nano energizer is in significant effect to increase engine power, reduce smoke, noisy & vibration without side effect. The effect were showed up after running 200km to 500km upon treatment.

Especially, high reduction of smoke & noisy was found after running 300km to 500km.

JongHae Kim/Senior Engineer
Dept of GM Daewoo Engine Test

Sunchul Choi/Team Director
GM Daewoo Road Test Team



H O N D A K O R E A

Testing: 1) HONDA 125CC Manufacture Year 1997 220,000km
2) HONDA 100CC Manufacture Year 1995 195,000km
3) HONDA 50CC Manufacture Year 2001 103,000km

Testing Period: October 3rd – 5th, 2007

Injection: Nano energizer for smaller engine

Symptom before injection of Nano Energizer: all of three sample engines has great noisy, heavier white smoke and high fuel consumption.

Field Testing Method: 3 sample Bikes were drive by each Testing engineers of Honda After service Dept and checked in every 30km, 50km, 80km & 100km.

Field Testing Report by Dynamometer Tester

Smaller engine 50CC:

after running 30km, 40% reduction of noisy, 70% reduction of smoke & 8% reduction of fuel
after running 50km, 40% reduction of noisy, 83% reduction of smoke & 11% reduction of fuel
after running 80km, 42% reduction of noisy, 83% reduction of smoke & 11% reduction of fuel

Smaller engine 100CC:

after running 30km, 20% reduction of noisy, 35% reduction of smoke & 4% reduction of fuel
after running 50km, 36% reduction of noisy, 47% reduction of smoke & 8% reduction of fuel
after running 80km, 39% reduction of noisy, 75% reduction of smoke & 9% reduction of fuel
after running 100km, 44% reduction of noisy, 77% reduction of smoke & 10% reduction of fuel

Smaller engine 120CC:

after running 30km, 13% reduction of noisy, 19% reduction of smoke & 2% reduction of fuel
after running 50km, 29% reduction of noisy, 34% reduction of smoke & 6% reduction of fuel
after running 80km, 36% reduction of noisy, 71% reduction of smoke & 8% reduction of fuel
after running 100km, 42% reduction of noisy, 69% reduction of smoke & 8% reduction of fuel

Conclusion:

The effect with reduction of noisy, smoke & fuel consumption is decreased generally within 80km running after injection of nano energizer. Effect time has been shorten by smaller engine.

Dated: October 3rd 2007

Tested by Testing engineers of Honda After service Dept

Chief Engineer/Jun-Young Kim

Engineer/Soo-Kang Lee

Engineer/Jang-il Sung



nanoTec International
PISTON COMPRESSOR TEST REPORT

On measuring the parameters of piston compressor M110Y Ser. 2003122
treated by "NANO ENERGIZER"

Parameter	Prior to treatment	After treatment	Remark
Current consumption [A]	2.52	1.93	23.0% reduced
Temperature at outside [°C]	39.59	35.91	3.68[°C] reduced Started at 28.5[°C]
Pumping time [sec]	73	47	From 1 to 5.9atm 35.2% reduced
Noise level [dB]	83.2	76.3	6.9[dB] reduced

After treatment, electric power consumption was reduced by 23.0%
and vibration and noise levels were improved.
Finally compressor capacity increased by 47.6% in part of energy coefficient.

TESTING REPORT OF HONDA GENERATOR

Samples supplied by NanoTec International
Samples: Nano Energizer for smaller engine

Honda EM650Z/Year 2005/0.65K
Inject one bottle of Nano Energizer for smaller engine

		Power	Smoke	Fuel Consumption	Noisy	
Operation	5hr	3% ↑	5% ↓	2% ↓	2% ↓	from basic 58dB
	10hr	7% ↑	16% ↓	5% ↓	9% ↓	
	20hr	12% ↑	27% ↓	12% ↓	17% ↓	
	30hr	12% ↑	35% ↓	12% ↓	28% ↓	

Honda EP6500CXS/Year 2002/6.5K
Inject one bottle of Nano Energizer for smaller engine

		Power	Smoke	Fuel Consumption	Noisy	
Operation	5hr	0% ↑	2% ↓	0% ↓	0% ↓	from basic 75dB
	10hr	4% ↑	7% ↓	3% ↓	4% ↓	
	20hr	6% ↑	12% ↓	6% ↓	9% ↓	
	30hr	9% ↑	24% ↓	9% ↓	16% ↓	
	40hr	9% ↑	29% ↓	9% ↓	25% ↓	
	50hr	9% ↑	31% ↓	9% ↓	27% ↓	

Testing Results: when injected with Nano energizer for smaller engine to two Honda generators, significant effect was recorded after 5 hours operation on smaller engine 0.65K and after 10 hours operation on larger engine 6.5K.

Approximately operated over 1,000hours, effect were almost same as listed above and
Approximately operated over 2,000hours, effect were almost same as listed above.
Approximately operated over 3,000hours, effect were decreased 26% for 0.65K engine and 47% for 6.5K engine.

Therefore, recommended to re-inject new Nano energizer after operating 3,000 hours, when noisy and smoke is felt with unpleasant condition.

November 28, 2007

Kyung Soo Lee

Lee Kyung-Soo/Ph.D
Mechanical & Aerospace engineering
Seoul National University

KOREA INSTITUTE OF MACHINERY & MATERIALS

104 SHINSUNGRO 104 YOUSUNGKU DAEJUN TEL: 042 860 7401 FAX: 042 860 7402
04- 16-2009

Subject:
Testing Report of nanoEnergizer Smaller
for Gear Box, Generator, Transmission & Bearing

Testing Purpose: The effect of nano ceramic coating(nano sized platinum coated ceramic) on metallic surface & evaluate restoration condition of worn out surface.

Submitted Samples:(old ones collected from Junk Shops)
Various kinds of Gear Box,
Various kinds of Bearings
Various kinds of Transmission case

Before injection of nanoEnergizer Smaller, the surface of abrasive metallic parties was inspected by microscope. High resolution microscope indicates that most of equipments were in seriously bad condition and estimated out of normal operation condition due to serious vibration, excessive noisy and etc.

NANO ENERGIZER SMALLER was applied to each submitted old samples:
Upon operation of each equipments 1 day - 10 days continuously, we evaluated abrasive surface & restoration of surface upon macrography & noisy test.

Nano cermet(ceramic + metallic) coating which were applied on above mentioned equipments was tested with injecting nanoEnergizer Smaller.

Testing Report:

Upon macrography & noisy test, coating was not proceeded within 1 & 2 days.
On 3 days operation, cermet coating was proceeded, upon macrography abrasive surface was repaired with ceramic and realize reduction of noisy and vibration, and on 5 days operation, condition was much improved and after 5 - 10 days operation, condition was same as 5 days one. We estimate cermet coating was proceeded on abrasive metallic parties on 3 days operation and coating will be long last.

It is proven scientifically that proprietary Nano Ceramic which is applied by NanoTec is stable & strong coating material especially for abrasive metallic surface, their material character is high heat resisting property, high abrasion resistance without transform and environmental friendly.

It is certified that above report is proceeded upon macrography & noisy test and based in fact.



JooHoo Lee
Senior Researcher KIMM

ONTARIO DRIVE CLEAN PROGRAM
VEHICLE EMISSIONS INSPECTION REPORT

Test Date/Time: 09-JUN-2009 @ 16:37



ONTARIO MINISTRY OF THE ENVIRONMENT

VEHICLE INFORMATION

Year: 1996
VIN: JT2CC53H3T0007105
GVWR: 1260 kg

Make: TOYOTA
Engine Size: 1.5 L
Equivalent Test Weight: 1134 kg

Model: PASEO
Cylinders: 4
Inspection Type: I

ASM 2525/CURB IDLE TAILPIPE EMISSION RESULTS

	ASM2525 TEST			CURB IDLE TEST		
	Limit	Reading	Result	Limit	Reading	Result
HC ppm	78	120	FAIL	200	45	PASS
CO%	0.44	0.92	FAIL	1.00	0.04	PASS
NO ppm	605	150	PASS	N/A	N/A	N/A
	RPM	1941	VALID	RPM	908	VALID
	Dilution	15.3	VALID	Dilution	13.6	VALID

EMISSIONS CONTROL SYSTEMS INSPECTION

Exhaust Gas Recirculation System: N/A
Air Injection System: N/A
Positive Crankcase Ventilation System: N/A
Catalytic Converter: N/A
Fuel Evaporative System: N/A
Thermostatic Air Cleaner System: N/A
Gas Cap Pressure Test: PASS
Fuel Filler Integrity Check: N/A

OVERALL TEST RESULTS: FAIL

POSTAL CODE: N3C4C7

PROGRAM AREA: 2



REPAIR COST LIMIT: \$ 450

BRING THIS REPORT WHEN YOU RETEST YOUR VEHICLE
A CONDITIONAL PASS IS NOT ACCEPTED FOR RESALE
YOU MAY BE ELIGIBLE FOR A \$450 REPAIR COST LIMIT
EMISSIONS STANDARDS FOR LIGHT DUTY VEHICLES
WERE TIGHTENED EFFECTIVE JANUARY 1, 2005



DRIVE CLEAN FACILITY

DCF NAME: Your Choice Automotive Service
ADDRESS: 1401 Franklin Blvd, Cambridge, ON N3C 4C7
PHONE: 5196582280
INSPECTOR ID: 30189

REPORT NUMBER: 3525
DCF NUMBER: 2521
ANALYZER NUMBER: A2156
SOFTWARE VERSION: 2.40

VEHICLE EMISSIONS INSPECTION QUESTIONS
For additional information, please contact the Drive Clean Call Centre
1-888-758-2999
www.driveclean.com

Inspector's Signature
Travis .. Organ



Certificate Number:
456 250 4153

ONTARIO DRIVE CLEAN PROGRAM VEHICLE EMISSIONS INSPECTION REPORT

Test Date/Time: 08-JUL-2009 @ 12:15



ONTARIO MINISTRY OF THE ENVIRONMENT

VEHICLE INFORMATION

Year: 1996
VIN: JT2CC53H3T0007105
GVWR: 1260 kg

Make: TOYOTA
Engine Size: 1.5 L
Equivalent Test Weight: 1134 kg

Model: PASEO
Cylinders: 4
Inspection Type: I

ASM 2525/CURB IDLE TAILPIPE EMISSION RESULTS

	ASM2525 TEST			CURB IDLE TEST		
	Limit	Reading	Result	Limit	Reading	Result
HC ppm	78	72	PASS	200	27	PASS
CO%	0.44	0.44	PASS	1.00	0.02	PASS
NO ppm	605	0	PASS	N/A	N/A	N/A
	RPM	2797	VALID	RPM	779	VALID
	Dilution	15.4	VALID	Dilution	12.9	VALID

EMISSIONS CONTROL SYSTEMS INSPECTION

Exhaust Gas Recirculation System: N/A
Air Injection System: N/A
Positive Crankcase Ventilation System: N/A
Catalytic Converter: N/A
Fuel Evaporative System: N/A
Thermostatic Air Cleaner System: N/A
Gas Cap Pressure Test: PASS
Fuel Filler Integrity Check: N/A

OVERALL TEST RESULTS: PASS

POSTAL CODE: N/A

PROGRAM AREA: N/A



REPAIR COST LIMIT: \$ N/A

THANK YOU FOR YOUR CONTRIBUTION TO CLEAN AIR. BRING THIS REPORT TO REGISTER YOUR VEHICLE. IT IS VALID FOR ONE YEAR. THIS TEST DETERMINES COMPLIANCE WITH TAILPIPE EMISSIONS LIMITS AT THE TIME OF THE TEST. BY LAW ALL EMISSIONS CONTROL EQUIPMENT MUST BE INSTALLED AND FUNCTIONING AT ALL TIMES.

AFTER NANO

FOR PIO USE ONLY



C27H5MG3W6B8LD54A7J4

SECURITY CODE

ADCFE6

DRIVE CLEAN FACILITY

DCF NAME: Roadstar Emission Testing Inc
ADDRESS: 11 Malcolm Road, Unit B & C, Guelph, ON N1K 1A7
PHONE: 5198230056
INSPECTOR ID: 31656

REPORT NUMBER: 21618
DCF NUMBER: 5903
ANALYZER NUMBER: A4562
SOFTWARE VERSION: 2.40

VEHICLE EMISSIONS INSPECTION QUESTIONS
For additional information, please contact the Drive Clean Call Centre
1-888-758-2999
www.driveclean.com

Inspector's Signature
Dave .. Runstedler

Research Project: Side Effect of Nano Energizer in ceramic coating process into engine cylinder

Testing sample: Nano energizer for gasoline engine

Testing vehicle: 1,500CC, Year 2001, 170,000km running record

Testing Dept: Vehicle Engine Testing Dept

Testing Period: May 7, 2006 – August 13, 2007

Testing Method:

1. Injected Nano energizer
2. Running 300km & 500km:
Effects: power, exhaust gas, noisy were found on testing of dynamometer test.
3. Upon realizing effect of Nano energizer as engine restoration additive, Side Effect of Nano Energizer in ceramic coating process into engine cylinder was researched on long term road testing: running 50,000km & 100,000km.
4. After 50,000m running, there is no evidence with side effect, but 34% of coated ceramic surface was worn away.
5. After 100,000 running, there is no evidence with side effect, but 83% of coated ceramic surface was worn away and effect of Nano energizer was not in function for engine restoration.

Conclusion: Ceramic coating surface is well kept from 300km to 40,000km after injection, even different in vehicle & running condition. So recommended to change new Nano energizer in every 30,000km – 40,000km.

On running 100,000km running after injection, there is no symptoms of side effect in general & detailed operation of engine.

August 23, 2007



Jae Chun Kim/Engineer

Engine Testing Dept of KATI

KOREA INSTITUTE OF MACHINERY & MATERIALS
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06- 22-2010

**Subject: Friction Testing Report of nanoEnergizer
Smaller On Friction Machine SMC-2**

Test of nanoEnergizer was proceeded on Friction Machine SMC-2 with method of comparison of normal engine oil and nanoEnergizer.

Detailed Test condition:

disk material steel 46
Tempered to hardness 60-62 HRC
Loading P = 650 N
Operating mode n = 380 rpm

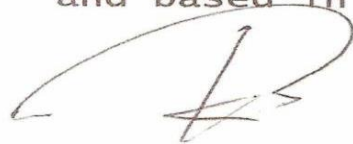
Friction was measured before and after by weighting on electronic weight instrument in 0.0003 tolerance.

Testing Results: During period of testing, oil temperature of nanoE and normal oil from 116 - 124 'C.

Sample wearing when nanoEnergizer was applied was decreased to 37% - 42%, compared with injected normal oil.

Composition of nanoEnergizer shows high efficiency of friction decrease to maximum 42% in experimental result of Friction Machine SMC-2, but real friction testing in actual condition of machinery mechanism is also recommended.

It is certified that above report was carried on Testing of Friction Machine SMC-2 with method of comparison of normal engine oil and nanoEnergizer and based in fact.



K. K. Kim
Researcher KIMM

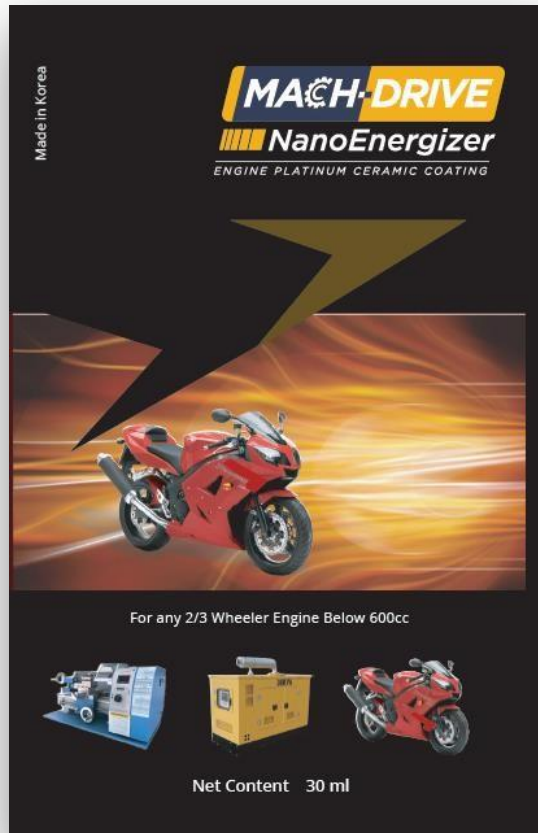
“Better Engine, Healthier World” with MACH-DRIVE NanoEnergizer

An additive, it gives a platinum coating to the engine

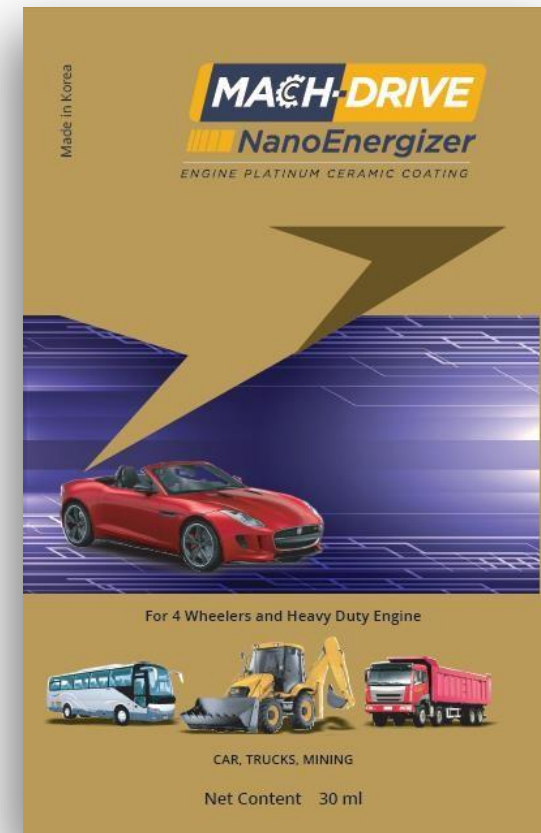
- 1. Eco friendly (Reduces CO₂ emission)**
- 2. Enhances engine life (makes it almost like new)**
- 3. Increases horse power (efficiency ^15%)**
- 4. Better mileage (fuel saving ~15%)**
- 5. Reduced Air & Noise pollution**



MACH-DRIVE NanoEnergizer



MRP : 1495
DP : 1280
PV : 42.67



MRP : 1870
DP : 1600
PV : 53.33

1 PACK OF NANOENERGIZER = 30,000 Km

Your bike avg = 45kmpl

Petrol price = Rs.80 / litre

**30000 km for bike drive we need petrol = $30000 / 45 = 667$
liter petrol required**

MACH-DRIVE NanoEnergizer saves minimum 10% fuel = 66 litres of petrol

Cost of 66 Litres of Petrol = $66 \times 80 = \text{Rs. } 5280.$

1 PACK NANO ENERGIZER (2W/3W)

MRP = 1495 Rs., DP = 1280 Rs., PV = 42.67

1 PACK OF NANOENERGIZER = 30,000 Km

Your car avg = 16 kmpl

Petrol price = Rs.80 / litre

**30000 km for car drive we need petrol = $30000 / 16 = 1875$
litres petrol required**

MACH-DRIVE NanoEnergizer saves minimum 10% fuel = 187 litres of petrol

Cost of 187 Litres of Petrol = $187 \times 80 = \text{Rs. } 15000$ approx.

1 PACK NANO ENERGIZER (4W / Heavy Duty)

MRP = 1870 Rs., DP = 1600 Rs., PV = 53.33



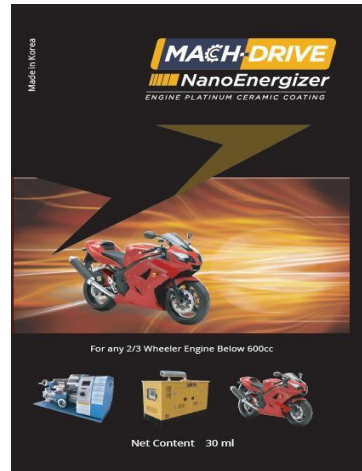
COST BENEFIT ANALYSIS FOR FLEETS

A) FLEET TYPE : LONG HAUL TRUCKS

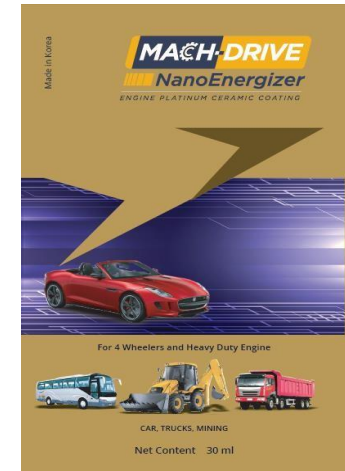
Avg. Run Per Month	15000 km
Cost of Fuel Per Km	Rs. 15/-
Investment In Nano	
Nano Energizer	2 X Rs. 2000 = Rs. 4000/-
Cost Per Km	4000/40000 = Rs. 0.10/-
Savings @8%	Rs. 1.2/- Per Km
Net Savings	Rs. 1.2 - Rs. 0.1 = Rs. 1.10/- Per Km
Total Savings Per 40000km	Rs. 1.10 X 40000 = Rs. 44,000/-
Return on Investment	44000/8000 X 100 = 550%
Monthly Savings	15000 X 1.10 = Rs. 16500/- Per Month

B) FLEET TYPE : TAXIS/CARS

Avg. Run Per Month	10000 Km
Cost of Fuel Per Km	Rs. 5/-
Investment In Nano	
Nano Energizer	1 X Rs. 2000 = Rs. 2000/-
Cost Per Km	2000/40000 = Rs. 0.05/-
Savings @10%	Rs. 0.50/- Per Km
Net Savings	Rs. 0.50 - Rs. 0.05 = Rs. 0.45
Total Savings Per 40000 km	Rs. 18,000/-
Total Savings	Rs. 18,000/- Rs. 2000/- = Rs. 16000/-
Return on Investment	Rs. 16000 - Rs. 2000 = 700%
Monthly Savings	10000 X 0.45 = Rs. 4500/- Per Month



Don't wait,



Buy MACH-DRIVE NanoEnergizer- A revolutionary product today and gives better health to your vehicle's engine and contribute towards environment





Thank
you

wish you wellth
