

# ECOMAX Product Details

## ECOMAX features

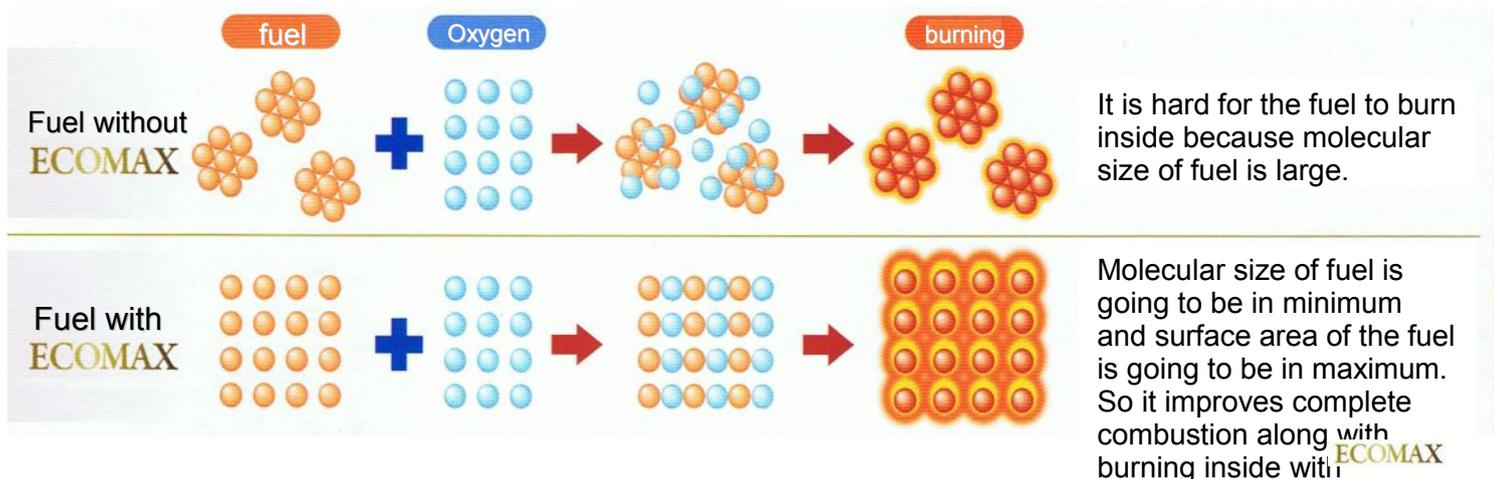
- ECOMAX brings complete combustion for reinforcement of fuel.
- ECOMAX which is reinforcement of fuel is made by Being corporation's technology.
- ECOMAX is manufactured with selecting finest materials so that it would promote complete combustion system. Its manufacturing method is derived by one of the most complex and comprehensive technology among the advanced technological countries..
- ECOMAX fosters a better balance to complete combustion of the fuel
- Maximum effect of ECOMAX can be obtained by adding appropriate quantity of ECOMAX to the fuel
- ECOMAX Excellent can be used for the premium gas, the regular gas, the Kerosene light oil (diesel), the heavy oil.
- Current product can be used for all the fuel types such as premium gas, the regular gas and the Kerosene, diesel, the heavy oil.

## ECOMAX effects

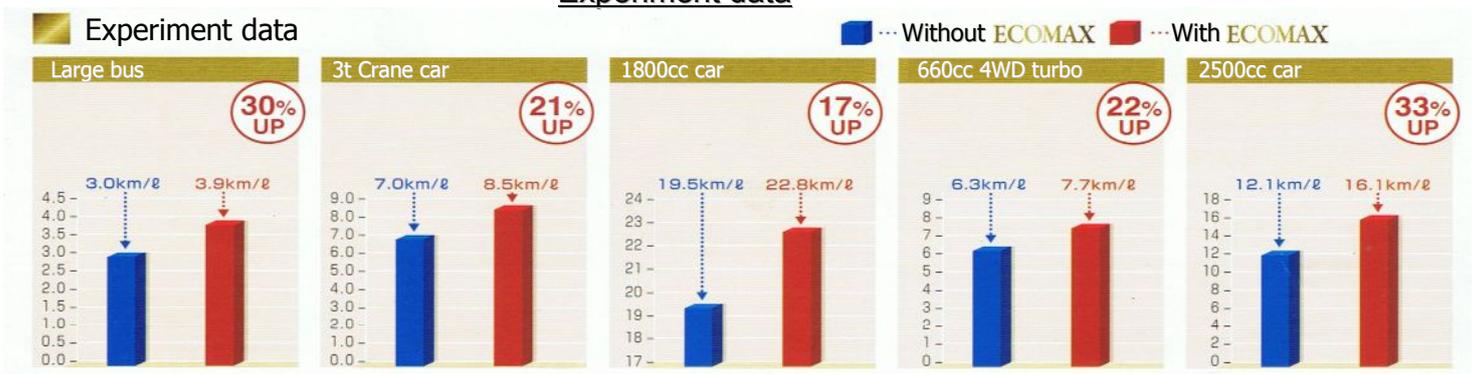
- ECOMAX improves combustion system. Significant gas mileage improvement is expected.
- ECOMAX significantly reduce CO<sub>2</sub> emissions of your combustion system. It also reduces CO, NO<sub>x</sub>, SO<sub>2</sub> and PM from combustion system. It works as an Eco product
- ECOMAX brings significant efficiency for combustion system
- You can feel the engine power up with this ECOMAX
- Engine rotates smoothly and noise of engine gets lower.
- Impure substances can be removed.

Please see illustration of Combustion flow and Experiment data below

### Illustration of Combustion flow



### Experiment data



# User's manual for ECOMAX

## How to use ECOMAX (for Excellent)

- ECOMAX Excellent can be used for the premium gas, the regular gas, the Kerosene, the light oil (diesel), the heavy oil.
- ECOMAX should be put into the gas tank before fuel refillment.
- For the first usage, 1 ml (milli liter) of ECOMAX should be put into the gas tank for 1 liter of fuel. That is mainly used for cleaning the combustion system.
- Then at the second usage and onward, 0.5 ml of ECOMAX should be put into gas tank per 1 liter of fuel.
- Please add 1 ml of ECOMAX per 1 liter of fuel several times when mileage reaches up to around 50,000Km. Then use 0.5 ml of ECOMAX per 1 liter of fuel again.
- Please add appropriate quantity of ECOMAX to your tank, otherwise no positive effect is expected.

## Cautions

- Avoid to keep ECOMAX under sunlight or electromagnetic wave fields.
- Please wash your skin or clothes as soon as possible if ECOMAX adheres.
- Please put it into trash with empty contents. Do not put into trash with some contents.
- Please keep it away from children.
- It is dangerous to drink ECOMAX. Please ask for doctor if you drink ECOMAX.

Fuel volume (Liter)	ECOMAX usages based on milli-liter (mL)	
	First time	Second time onward
1	1 ml	0.5 ml
10	10 ml	5 ml
50	50 ml	25 ml
100	100 ml	50 ml
500	500 ml	250 ml
1000 (1KL)	1000 (1L)	500 ml

## Notes

- Effect of ECOMAX depends on ingredients of fuel and condition of combustion system. Please add appropriate quantity of ECOMAX to your fuel and combustion system.
- DO NOT store ECOMAX under the sunlight and electromagnetic wave fields.
- You cannot expect good mileage improvement if you add ECOMAX over the appropriate quantity.
- Please don't mix other reinforcement of fuel for combustion system with ECOMAX
- Changing or removing stagnant old engine oil from engine and putting new engine oil gives maximum good effects to combustion system..

## Product data

Following is the product data for ECOMAX Excellent.

Product name	ECOMAX Excellent	
Usage for	gasoline, kerosene, diesel, heavy oil	
Identification of material	Material:	Petroleum hydrocarbons
	Ingredients and amounts:	Carbon 8 to 13 (hydrogen 18 to 28)
	Risk of storing	flammable liquid

Product's information regarding dangerous substance	ECOMAX Excellent
Flashpoint	40 to 75 Celsius degree
Ignition point	240 Celsius degree
Boiling point	140 to 310 Celsius degree
Vapor pressure	Under 0.1Kpa
Distillation density	4 to 5 based on 1 Pressure
Flow point	-40 Celsius degree
Volatile	None
Density	0.76 to 0.83 g/cm
Distillation range	145 to 248 Celsius degree
First boiling point	145 Celsius degree
Flammable	Yes
Ignitable	No
Oxidation	No
Explosive	No
Stability	Stable
Reactive	React with Oxidizing agents

- Current product is for all type of fuel such as gasoline, kerosene, diesel, heavy oil.

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# Attachment-1

## Experiment data for exhaust gas and its analysis by Shinano public disruption Institute

This is a translated reference from Japanese document. Please refer to original one.

Car used for the experiment	
Type of vehicle	Toyota 1500cc 2002 started to use, Automatic shift car
Fuel	Regular Gasoline (Idemitsu)

### Condition of the experiment.

Condition of the experiment	
- Idling during the parking - Measured at second time of adding ECOMAX	
Quantity of adding ECOMAX	50ml per 50L at the first time. 25ml per 50L at second time
Date of measurement without ECOMAX	Jan 12 2011 Odometer: 55,327 Km
Date of measurement with ECOMAX added	Jan 31 2011 Odometer: 56,401 Km

### Experiment result.

Result for exhaust gas		Without ECOMAX	With ECOMAX
1	Soot and dust concentration	0.001 g/m <sup>2</sup> n	0.001 g/m <sup>2</sup> n
2	SOx concentration	28 ppm	16 ppm
3	SOx discharge	0.0009 m <sup>3</sup> n/h	0.0004 m <sup>3</sup> n/h
4	NOx concentration	38 ppm	13 ppm
5	SOx concentration offset	38 cm <sup>3</sup> /m <sup>3</sup> n	13 cm <sup>3</sup> /m <sup>3</sup> n
6	Content of Water	1.6 %	1.0 %
7	Temperature of exhaust gas	33 °C	36 °C
8	Flow rate of exhaust gas	5.3 m/s	4.6 m/s
9	Quantity of Humid exhaust gas	33 m <sup>3</sup> n/h	27 m <sup>3</sup> n/h
10	Quantity of dry exhaust gas	32 m <sup>3</sup> n/h	27 m <sup>3</sup> n/h
11	Composition of exhaust gas		
	1 CO <sub>2</sub>	6.4 %	11.8 %
	2 O <sub>2</sub>	12.4 %	4.5 %
	3 N <sub>2</sub>	81.2 %	83.7 %

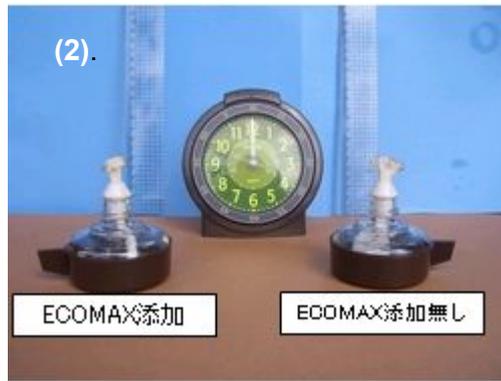
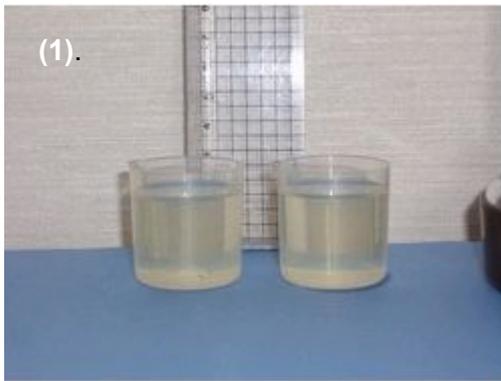
### Consideration.

According to the result, exhaust gas shows decrease of the values for all the items except for soot and dust concentration. Regarding composition of exhaust gas, values of CO<sub>2</sub> and N<sub>2</sub> are increased and value of O<sub>2</sub> drastically is decreased and temperature of exhaust gas goes up 3 °C.

This means combustion efficiency for the gasoline in the engine room is drastically improved by ECOMAX. Amount of CO<sub>2</sub> seems to grow but in fact, amount of exhaust gas is decreased resulting from combustion efficiency improvement and amount of gasoline usage is decreased, so that amount of CO<sub>2</sub> exhaust is also drastically decreased.

## Attachment-2

Experiment result data for burning Kerosene with ECOMAX and without ECOMAX.



### [Condition and procedure of the experiment]

- Put 20cc of kerosene in two lamps for the experiment.
- Put two drops of ECOMAX in one of the lamp by dropper.
- Then light up two lamps.

### [Experiment Result]

- Flame without ECOMAX went out after **57 minutes** elapsed.
  - Flame with ECOMAX went out after **69 minutes** elapsed.
- Experiment shows **21%** improvement for burning.

## Attachment-3

### Q & A example

Question and Answer		
1	ECOMAX really improves the mileage?	Yes, if you add appropriate quantity of ECOMAX depending on the fuel and combustion system.
2	How much improvement is expected?	We got up to 20 to 30 percentage of improvement based on our experiment result.
3	Is there any problem for the engine or equipment?	Since ECOMAX is made from 100% petroleum oil, there is no problem at all. Since objective of ECOMAX is to improve combustion system up to 100% not beyond 100%, it is safe. In addition, only under 1/1000 of ECOMAX is added, there is no harm to engine and other equipment.
4	Is there any experiment data?	Yes we have our experiment data. But we would like our customer to use ECOMAX in practical and see its result. Our data is exhaust gas measurement by Shinano public disruption Institute. (Attachment-1)
5	What is the temperature of ignition point?	240°C.
6	Which date is the expiration date for ECOMAX?	Expiration date is not mentioned on the product. But we recommend you to consume ECOMAX in two years after your purchase.
7	Tell me how to keep ECOMAX.	Please avoid the place in sunlight, high temperature and electromagnetic field for keeping ECOMAX.
8	What would happen after stopped using ECOMAX?	Using ECOMAX made engine room clean, so a little good mileage might be expected if you had used ECOMAX for a long time. But it depends.
9	Is it OK to add 1/2000 of ECOMAX if I use ECOMAX again (after stopped using)?	If duration of not using ECOMAX is long (more than 5,000Km or more than 6 months), we recommend you to add 1/1000 of ECOMAX the same as first usage.
10	Can we expect good result if we enter ECOMAX directly into in-tank of transportation office?	No, you can expect little effect. We recommend entering ECOMAX into fuel tank of each car.
11	Why does CO <sub>2</sub> increase with exhaust gas data sheet for ECOMAX? This means that CO <sub>2</sub> will increase with ECOMAX usage, correct?	CO <sub>2</sub> increases along with increase of combustion efficiency by ECOMAX when oil burns. But at the same time, amount of fuel can be reduced significantly, so that amount of CO <sub>2</sub> is also reduced.
12	Is there any difference among the fuel in different oil sales company for the result of using ECOMAX?	Yes, there is a difference. Because oil sales company has its own purification method and blending of additive is not the same. But ECOMAX can get good result for all the fuel.
13	Why does amount of NO <sub>x</sub> decrease by ECOMAX? Usually nitrogen will come out under high temperature and high pressure.	Nitrogen is a harmful exhaust gas which comes out in imperfect combustion. Since ECOMAX breaks the fuel into smaller size without compressing air and tries to reach perfect combustion, it hold down generation of nitrogen and decrease amount of NO <sub>x</sub> .