## REVOLUTION of ENERGY & ENVIRONMENT



## Antipollution measure & cost down by technology Environment improvement & Energy saving!

We are combat environmental pollution.

## Environmental pollutant cut more than 30%!!

SN Oil Original patent technology!

Production unit of carbon system fuel & Production technique of carbon system fuel (JP Patent No,5719093 via PCT of International Application)\*Part of All =World patent & Trademark(SN OIL)=Finishing of an application

EcoPrana Co.,Ltd. / http://www.ecoprana.co.jp/ep/

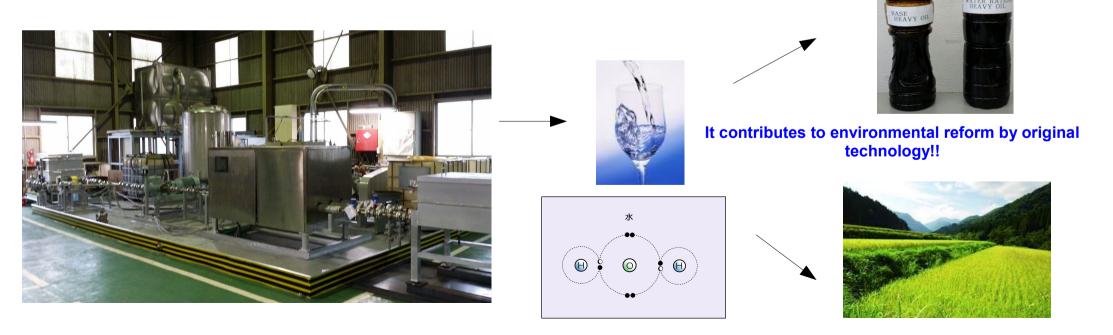
Head Office:806-2, Misa, Ichikawa-cho, Hyogo Japan

Miki Factory:724-361,Okiharu,Besho-cho,Miki-city,Hyogo Japan

#### **EP's REVOLUTION of ENERGY & ENVIRONMENT by original apparatus**

**EP's** The world of the technology of new fuel fabrication apparatus, performance, and application!

- EP's new fuel super nano oil is ester combination technology of a petroleum molecule and a water molecule.
- EP's new fuel production technique is the technology which does molecular level resolution of water ratio over more 30%, combines with proximal oil and makes new synthetic oil change.
- EP's new patent technology of super cavitation is achieved by the hydrodynamics technology for which electricity isn't used.
- EP's proximal oil and tap water produce SN OIL manufacturing equipment of EcoPrana by one pass line.
- EP's plant component is an all-in-one container system, site installation easiness.



# **EP's** Quality comparison proof of SN Heavy oil

### **Super Nano Heavy OIL VS Base Oil**

#### SN heavy oil (addition of water rate/45.7%) & After centrifugal comparison

Analysis	Base oil(HSA)	SN OIL	Comparison
Gross calorific	42.64MJ	40.7MJ	4.5%Down
Sulfur	2.33%	1.27%	45.5%Down
Wet	0.05%	9%	9.0%Up

2014yr 25<sup>th</sup> Aug at:Miki Factory

Water 16:Vase oil 19(Flownmeter indication)

**SN** Heavy Oil of water rate 45.7%

Analysis	Base oil(HSA)	SN OIL	2014yr 8 <sup>th</sup> Oct at:Miki Factory
Gross calorific	42.64MJ	41.06MJ	
Sulfur	2.33%	1.16%	Reduction rate for the sulfur
Wet	0.05%	3.39%	SN Heavy Oil of water rate 50.6%

Analysis	Base oil(HSA)	SN OIL	2014yr 8 <sup>th</sup> Oct at:Miki Factory
Gross calorific	42.64MJ	40.7MJ	
Sulfur	2.33%	1.27%	Reduction rate for the sulfur
Wet	0.05%	9.0%	SN Heavy Oil of water rate 49.0%

## Proof of the formal data of a JIS standard

#### 報告書

〒 679-2335 兵庫県神崎郡市川町美佐806-2

株式会社 エコプラナ 御中

報告書番号 : 434211-1 1/1 報告書発行日: 平成26年10月24日 (試料受領日: 平成26年10月15日)

日鉄住金テクノロジー株式会社 広畑事業所 〒671-1123 姫路市広畑医告上町 番地 TEL 079(236)0041 FAX 079(236)1501 (材料営業部長 筑摩 顕太郎) (担当者: 石田 明久)

#### 件名: エマルジョン燃料の物性評価

- 試料 エマルジョン燃料 2検体
- 2. 試料調整および前処理 供試料を分析方法に従い、適宜前処理を行った。
- 3. 分析結果

表1. 分析結果

試料名		No. 1	No. 2	_	測定方法
項目	単位				MACHIA
総発熱量	kJ/kg	41060	40260		JIS K 2279
水分	%	3. 39	5. 23		JIS K 2275-4
全硫黄	%	1. 16	1. 15		電量滴定法
-以下余白-					
11 %					
	-				

備考

※ 本報告書の一部のみを複製して使用することはご遠慮ください。

#### **Certificate of analysis Report No,434211-1**

Center for the Analysis result of NIPPON

STEEL & SUMIKIN TECHNOLOGY Co., Ltd.

Sample: SN Heavy OIL (Water 50%)

Fishery place: Ecoprana factory manufacture in Japan

Extraction day: 2014yr 15<sup>th Oct</sup>

Inspection date of delivery: 2014yr 24<sup>th</sup> Oct

Analysis result

No,1

Gross calorific value MJ/kg\*\*\*\*\*\*\*\*\*\*\*\*\*\*41.06 Sulfur content\*1.16

Water % \*3.39

No,2

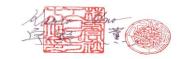
Gross calorific value MJ/kg\*\*\*\*\*\*\*\*\*\*\*40.26

Sulfur content\*1.15

Water % \*5.23

Over

EcoPrana Co,. LTD. CEO Mr, Kaoru Uno



## EP's The spreading energy field and applied technology deployment

It is business deployment only at cost reduction.

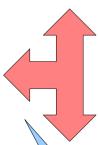






A new business partner and new business creation







Heavy industry and a factory

