

# P.T. Kubota Indonesia

## 1. Outline

<b>Address</b>	Taman Industri Bukit Semarang Baru(BSB) Blok D.1 Kav.8, Kel. Jatibarang - Kec. Mijen - Kota Semarang ; Indonesia
<b>Number of employees</b>	336 (Dec, 2020)
<b>Site area</b>	73,992 m <sup>2</sup>
<b>Establishment day</b>	Jul-1973
<b>ISO14001 certification date</b>	10 Feb 2006
<b>Site overview</b>	Manufacturing and sales of small diesel engines



New Factory



WWT

## 2. Products

Horizontal Diesel Engine (HDE), Gasoline Engine (KG, GZ & KGZ)



## 3. Environmental policy

As an internal combustion motor manufacturer committed to exceed customer and stakeholder expectations and improve environmental protection performance through:

- Creation of reliable and high quality products and services
- Effective, efficient and no impact on environmental pollution control process
- Fulfillment of regulatory requirements and other requirements and
- Make continuous improvements to the effectiveness of quality and environmental management systems

## 4. Environmental performance data (Jan. 2020 to Dec. 2020)

<b>Used amount of energy</b>	Crude oil equivalent KL	822
<b>Used amount of water</b>	thousand m <sup>3</sup>	9.1

<b>CO<sub>2</sub> emission*</b>	tons CO <sub>2</sub> e	2,364
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\*CO<sub>2</sub> emissions from energy sources.

Air Pollutant measurement results				
Main smoke and soot generation facilities		Genset		
	Unit	Control content	Control value	Maximum measured
SOx	mg/m <sup>3</sup>	Concentration control	800	10
NOx	mg/m <sup>3</sup>	Concentration control	1000	19
Particulate	mg/m <sup>3</sup>	Concentration control	350	36

<b>Amount of discharge water</b>	thousand m <sup>3</sup>	7.4	
<b>Amount of pollutant in discharge water</b>	COD	kg	432
	Nitrogen	kg	-
	Phosphorus	kg	-

Water pollutant measurement results					
	unit	Control value	Maximum measured		
Public water areas	pH	-	6.0 ~ 9.0	8.1	
	BOD	mg/L	50	30	
	COD	mg/L	100	99	
	Nitrogen	mg/L	-	-	
	Phosphorus	mg/L	-	-	
	Hexavalent chromium	mg/L	0.1	0.002	
	Lead	mg/L	0.1	0.006	
	COD, total emission control	kg/day	-	-	
	Nitrogen, total emission control	kg/day	-	-	
	Phosphorus, total emission control	kg/day	-	-	
Sewerage lines	SS	mg/L	100	23	
	pH	mg/L	-	-	
	BOD	mg/L	-	-	
	COD	mg/L	-	-	

<b>Waste discharge</b>	tons	40
<b>Recycling ratio</b>	%	88.0%

<b>VOC emission*</b>	tons	11
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\*We have started using paints and thinners from 2015.

## 5.Environmental Topics

1. Waste reduction: Continuing activity Reuse carton box & Plastic waste to make packaging, Make sludge drying bed for reduce sludge weight and Installed Central Mixing System to reduce sludge paint.
2. Water Reduction: Re-use recycle water for Mixing Chemical and support to Painting Booth, Rain Water and Condensation Water from Air Conditioner usage to support Toilet
3. Energy saving : Reduce Energy electricity (Change 4 unit of LED Lamp to solar cell lamp in PTKI road area)
4. VOC Reduction : To Repair small reject use compound system ( Reject surface it's not wide or deep ), Change the Paint type with the one did not have the VOC Chemical : THERMOTECT 600 SILVER & THERMOTECT 600 THINNER and Reduce the painting reject so the use of paint and thinner for repainting process will be decrease

## 6.Environmental Communication

6-1. [The program to reduce CO2 emissions through tree planting \(hardwood\) in collaboration with the Semarang City Environment Agency with theme "Green Gate of My City"](#)

Date : Friday, December 04, 2020

Location : the border roads of Semarang and Demak cities



6-3. [Planting mangrove program in Mangunharjo joint with 20 participants \( 12 Employee, 6 Farmer and 2 Volunteer\) & planting 5000 mangroves.](#)

Location: Mangunharjo Beach Semarang

Date : Saturday, October 10, 2020



6-4. Social Community Empowerment - Distribution of Business Support Equipments to UMKM "Makmur Bersama"

Location : Jatisari, Mijen, Semarang

Date : December 22, 2020

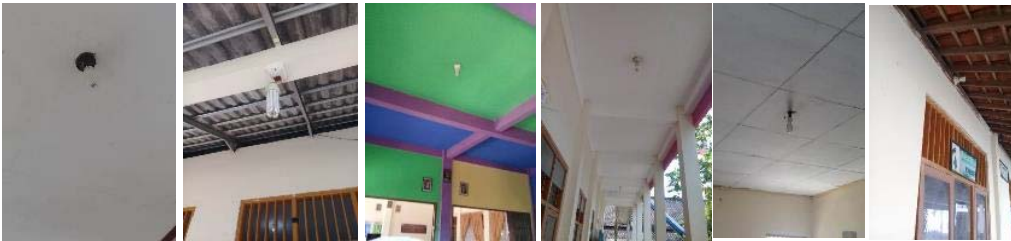


6-6. Energy saving education to elementary school near PTKI factory ( 2 schools), change classroom lamp with LED

Location : Kedungpane 01 and Kedungpane 02, Mijen, Semarang

Date : 27 October 2020

- Result
1. Change with LED 10 Watt & 19 Watt lamp at classroom, Kedungpane 01 Elementary School = 34 Units
  2. Change with LED 10 Watt & 19 Watt lamp at classroom, Kedungpane 02 Elementary School = 48 Units



6-7. Donation for Victims of Natural Disaster

Date: : 27~29 July 2020  
 Location: : Ds. Radda - kec. Baebunta, Kab. Luwu Utara  
 Donation : Tarpaulins, food and drinks, as well as medicines & vitamins



6-7. Donation for Construction of unlivable houses

Period : 06 Sept - 10 October 2020  
 Location: : Wonoplumbon, Mijen, Semarang  
 Total Donation : 3 House

1. House of Mrs. TUKINAH (RT 06 / RW 02) – DS WONOPLUMBON – KEC. MIJEN – KOTA SEMARANG



2. House of Mrs. SUJATMI (RT 09 / RW 01) – DS. WONOPLUMBON – KEC. MIJEN – KOTA SEMARANG



3. House of Mr. NGATIRIN (RT 09 / RW 01) – DS. WONOPLUMBON – KEC. MIJEN – KOTA SEMARANG

