

P.T. Kubota Indonesia

1. Outline

Address	Taman Industri Bukit Semarang Baru(BSB) Blok D.1 Kav.8, Kel. Jatibarang - Kec. Mijen - Kota Semarang ; Indonesia
Number of employees	353
Site area	73,992 m ²
Establishment day	Jul-1973
ISO14001 certification date	10 Feb 2006
Site overview	Manufacturing and sales of small diesel engines



New Factory



W W T

2. Products

Horizontal Diesel Engine



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
- 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. 2018 to Dec. 2018)

Used amount of energy	Crude oil equivalent KL	893
Used amount of water	thousand m ³	13

CO₂ emission*	tons CO ₂ e	2,482
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*CO₂ 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 ³	Concentration control	800	1.0
NOx	mg/m ³	Concentration control	1000	2.0
Particulate	mg/m ³	Concentration control	350	9.0

Amount of discharge water	thousand m ³	10	
Amount of pollutant in discharge water	COD	kg	446
	Nitrogen	kg	-
	Phosphorus	kg	-

Water pollutant measurement results				
		unit	Control value	Maximum measured
Public water areas	pH	-	6.0 ~ 9.0	6.7, 8.3
	BOD	mg/L	50	18
	COD	mg/L	100	61
	Nitrogen	mg/L	-	-
	Phosphorus	mg/L	-	-
	Hexavalent chromium	mg/L	0.1	0.005
	Lead	mg/L	0.1	0.005
	COD, total emission control	kg/day	-	-
	Nitrogen, total emission control	kg/day	-	-
	Phosphorus, total emission control	kg/day	-	-
Sewerage lines	SS	mg/L	100	28
	pH	mg/L	-	-
	BOD	mg/L	-	-
	COD	mg/L	-	-

Waste discharge	tons	50
Recycling ratio	%	77.9%

VOC emission*	tons	11
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*We have started using paints and thinners from 2015.

5. Environmental Topics

1. Waste reduction: Paint crust draining in drying bed area, Re-use paper to Printing & Photocopy, continuing re-use Reuse karton box, bubbles plastics for shipment parts
2. Chemical Reduction : Continuing Change some coolant with water base coolant
3. Energy saving: Continuing Change LED Lamp lighting 36 Watt to 14.5 Watt (413 Unit), Set automatic timer on air conditioning for Paint Storage, Painting Parts & Painting Engine, modify instalation of chemical Ca(OH)₂ stop on working holiday in WWT area
4. Wastewater management: Recycle water to support production, Recycle water to support Chemical mixing WWT Process, Rain Water Usage for Plant Watering in Fron & Back area

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6.Environmental Communication

6-1. Utilization Training of Packaging Waste for Lecturer and PKK Group in Mijen Region

Date: 2018/10/31

Location: Meeting Room PT. KUBOTA INDONESIA



6-2.Support Adiwiyata Awards to Elementary Schools (Ngadirgo 01 & Ngadirgo 03) with Giving Tub for Rain Water Usage for Plant Watering...



6-3. Planting Mangrove Step 2 Program in Mangunharjo Joint with Japanss Studenst College, 80 Participants & Planting 5000 Mangroves

Location: Mangunharjo Beach Semarang

Date : Saturday, November 10, 2018



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6.4 Garbage Cleaning Action (exchanging garbage with fruit tree)

Location : Jl. Pahlawan , Semarang
Jumlah : 100 (Bibit Pohon Buah)
Date : 11 Nov, 2018



6.5 Collect Plastic-Garbage

Location : Tambak Lorok , Semarang
Date : 15 September 2018



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6-6. Energy Saving Education to Elementary School near PTKI Factory (2 schools) & Pondok Pesantran " AL-HADI.

Change Classroom Lamp with LED

Date: 2018/10/22

Location: Ngadirgo Elementary School 01, 03 & Yayasan Kosim Al-Hadi

- Result:
1. Change with LED 10.5 Watt & 18 Watt lamp at classroom Ngadirgo Elementary School 01 = 70 Pcs
 2. Change with LED 10.5 Watt & 18 Watt lamp at classroom Ngadirgo Elementary School 03 = 100 Pcs
 3. Change with LED 10.5 Watt & 18 Watt lamp at room Kosim AL-HADI = 55 Pcs

BEFORE



AFTER



[Scholarship for students] Scholarship for 24 student Ngadirgo Elementary School 01 & 03 (@ IDR 500.000)



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6-7.Waste Treatment Education by Donating Eco Friendly Bags to Aim Every Student Can Bring Inorganic Waste from their Homes and Collected in Garbage Bank

Date: 2018/10/22

Location: SD Ngadirgo 01 & SD Ngadirgo 03

Total Donation (388 Pcs Eco Friendly Bag, 10 Garbage bin)

