

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	334 (Dec, 2021)
Site area	73,992 m ²
Establishment day	Jul-1973
ISO14001 certification date	10 Feb 2006
Site overview	Manufacture of Internal combustion engine (Diesel and Gasoline Engine) and components



New Factory



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2.Products

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



3.Environmental policy

As a manufacturer of internal combustion motors, we are committed to exceeding customer and stakeholder expectations and improving environmental performance.

- Creation of reliable and high-quality products and services
- Effective, efficient and environmentally friendly processes
- Complying with regulatory and other requirements
- Continually improve the effectiveness of our quality and environmental management systems

4.Environmental performance data (Jan. 2021 to Dec. 2021)

Used amount of energy	Crude oil equivalent KL	846
Used amount of water	thousand m ³	9.4

CO₂ emission*	tons CO ₂ e	2,481
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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	5
NOx	mg/m ³	Concentration control	1000	139
Particulate	mg/m ³	Concentration control	350	24

Amount of discharge water	thousand m ³	9.2	
Amount of pollutant in discharge water	COD	kg	518
	Nitrogen	kg	-
	Phosphorus	kg	-

Water pollutant measurement results				
		unit	Control value	Maximum measured
Public water areas	pH	-	6.0 ~ 9.0	7.82
	BOD	mg/L	50	24
	COD	mg/L	100	79
	Nitrogen	mg/L	-	-
	Phosphorus	mg/L	-	-
	Hexavalent chromium	mg/L	0.1	0.002
	Lead	mg/L	5	0.003
	COD, total emission control	kg/day	-	-
	Nitrogen, total emission control	kg/day	-	-
	Phosphorus, total emission control	kg/day	-	-
Sewerage lines	SS	mg/L	100	10
	pH	mg/L	-	-
	BOD	mg/L	-	-
	COD	mg/L	-	-

Waste discharge	tons	37
Recycling ratio	%	84.2

VOC emission*	tons	12
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*We have started using paints and thinners from 2015.

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5.Environmental Topics

1. Waste reduction: Reducing wood waste by replacing wooden pallets with steel pallets
2. Chemical Reduction : Reduced Coolant concentration from 5% down to 3% by coolant type replacement (Yoshiro to Castrol)
3. Water Reduction: Reuse of recycled water in chemical compounding and painting booths, and reuse of rainwater and condensation water from air conditioners in domestic water
4. Energy saving :Additional replacement of 4 LED lamps in the road area of PTKI with solar cell lamps
5. VOC Reduction : Changing the Paint type with VOC-free Chemical :(THERMOTECT 600 SILVER & THERMOTECT 600 THINNER)

6.Environmental Communication

6-1. The program to reduce plastic Waste - Distribution Eco Friendly Shopping Bag

Date : Tuesday, 06 July 2021

Distribution Eco Friendly Shopping Bag to PTKI Employee



Date : Monday, 12 July 2021

Distribution Eco Friendly Shopping Bag to Environmental Bureau, Semarang City



6-2. Planting Mangrove Program to reduce CO2 - POSTPHONED due to Covid-19 pandemic condition

6-3. Marina Beach Cleanup program - POSTPHONED due to Covid-19 pandemic condition