

## PLANT SITE DATA



### Gunma Manufacturing Division

Gunma Manufacturing  
Division

#### Gunma Manufacturing Division, Main Plant

[Location] 1-1, Subaru-cho, Ohta, Gunma [Site area (building area)] 590,000 m<sup>2</sup> (320,000 m<sup>2</sup>)  
[Products manufactured] Automobiles (R1, R2, Pleo, and Sambar models) [Number of employees] 3,607

##### Water Pollution Data

(Discharge: Public rivers Regulations: Water Pollution Control Law, Gunma Prefectural Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	5.8 ~ 8.6	7.4	6.4	6.96
BOD	25	13	0.6	2.95
SS	50	23	0.4	5.23
Oil content	5.0	0.6	0	0.13
Cadmium	0.1	0.01	0.01	0.01
Lead	0.1	0.01	0.01	0.01
Hexavalent chromium	0.5	0.05	0.05	0.05

##### Air Pollution Data (Regulation: Air Pollution Control Law)

Substance	Facilities	Regulated values	Maximum values	Average values
NOx	Boiler	150	112	100.3
		180	77.0	64.0
		230	114.0	114.0
		250	129.0	84.1
PM	Dry-off furnace	230	52.0	27.2
		0.25	0.070	0.048
	Boiler	0.30	0.140	0.080
		0.30	0.009	0.004
	Dry-off furnace	0.35	0.002	0.002

#### Gunma Manufacturing Division, Yajima Plant

[Location] 1-1, Shoya-machi, Ohta, Gunma [Site area (building area)] 550,000 m<sup>2</sup> (230,000 m<sup>2</sup>)  
[Products manufactured] Automobiles (Legacy, Impreza, Forester models) [Number of employees] 2,457

##### Water Pollution Data

(Discharge: Public rivers Regulations: Water Pollution Control Law, Gunma Prefectural Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	5.8 ~ 8.6	7.2	6.9	7.11
BOD	25	11.9	3.1	4.64
SS	50	4.5	0.7	2.89
Oil content	5.0	0.6	0	0.3
Cadmium	0.1	0.01	0.01	0.01
Lead	0.1	0.01	0.01	0.01
Hexavalent chromium	0.5	0.05	0.05	0.05

##### Air Pollution Data (Regulation: Air Pollution Control Law)

Substance	Facilities	Regulated values	Maximum values	Average values
SOx	Boiler	49	0.40	0.40
NOx	Boiler	70	2.40	2.27
		150	75.0	58.3
		230	108.0	105.5
	Dry-off furnace	230	35.0	18.2
		250	14.0	11.1
PM	Boiler	0.05	0.001	0.001
		0.25	0.04	0.02
		0.30	0.069	0.069
	Dry-off furnace	0.20	0.012	0.005
		0.35	0.006	0.004

#### Gunma Manufacturing Division, Ohta North Plant

[Location] 27-1, Kanayama-machi, Ohta, Gunma [Site area (building area)] 40,000 m<sup>2</sup> (30,000 m<sup>2</sup>)  
[Products manufactured] Automotive parts [Number of employees] 95

##### Water Pollution Data

(Discharge: Public rivers Regulations: Water Pollution Control Law, Gunma Prefectural Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	5.8 ~ 8.6	7.9	7.2	7.45
BOD	25	3.9	0.4	1.76
SS	50	12	1.4	5.71
Oil content	5.0	1.0	0	0.24
Cadmium	0.1	0.01	0.01	0.01
Lead	0.1	0.01	0.01	0.01
Hexavalent chromium	0.5	0.05	0.05	0.05

##### Air Pollution Data (Regulation: Air Pollution Control Law)

Substance	Facilities	Regulated values	Maximum values	Average values
NOx	Boiler	250	83.0	76.5
	Dry-off furnace	230	9.0	5.5
PM	Boiler	0.30	0.084	0.046
	Dry-off furnace	0.35	0.031	0.024

#### Gunma Manufacturing Division, Oizumi Plant

[Location] 1-1-1, Izumi Oizumi-machi, Oura-gun, Gunma [Site area (building area)] 400,000 m<sup>2</sup> (180,000 m<sup>2</sup>) [Products manufactured] Automotive engines, transmissions [Number of employees] 1,596

##### Water Pollution Data (Discharge: Public rivers Regulations: Water Pollution Control Law, Gunma Prefectural Ordinances, Pollution Control Agreement with Ohta-city and Oizumi-machi)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	5.8 ~ 8.6	8.2	6.6	7.23
BOD	10	5.6	1.0	3.04
SS	10	4.7	0.2	2.53
Oil content	3.0	0.7	0	0.14
Cadmium	0.1	0.01	0.01	0.01
Lead	0.1	0.01	0.01	0.01
Hexavalent chromium	0.5	0.05	0.05	0.05

##### Air Pollution Data

(Regulation: Air Pollution Control Law, Pollution Control Agreement with Ohta-city and Oizumi-machi)

Substance	Facilities	Regulated values	Maximum values	Average values
NOx	Boiler	150	107.0	83.1
	Melting furnace	180	52.0	30.2
PM	Boiler	0.25	0.082	0.037
	Melting furnace	0.20	0.047	0.036
Dioxins	Dry-off furnace	5	0.011	0.010

[Data measurement] April 2004–March 2005

- Water Pollution [Notations] —pH: Hydrogen-ion concentration, BOD: Biochemical oxygen demand, SS: Concentration of suspended solids in water  
[Units] —mg/l, except pH
- Air Pollution [Notations] —HCL: Hydrogen chloride  
[Units] —SOx: m<sup>3</sup>/h, NOx: ppm, PM: g/m<sup>3</sup>N, HCL: mg/m<sup>3</sup>N, Dioxins: ng-TEQ/m<sup>3</sup>N

**Gunma Manufacturing Division, Iseaki Plant**

[Location] 100, Suehiro-cho, Iseaki, Gunma [Site area (building area)] 150,000 m<sup>2</sup> (110,000 m<sup>2</sup>)  
 [Products manufactured] Automobile repair parts [Number of employees] 94

**Water Pollution Data**

(Discharge: Public rivers Regulations: Water Pollution Control Law, Iseaki City Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	From 5.7 to 8.7	7.6	6.7	7.11
BOD	Under 300	94	7	52
SS	Under 300	85	3	16
Oil Content	5	< 1	< 1	0
Zinc	5	1.4	0.07	0.69
Soluble iron	10	0.07	0.01	0.03
Total Nitrogen	150	20	3.9	8.03
Total Phosphorus	20	9.7	0.42	2.84
Chromium	2	< 0.01	< 0.01	0
Lead	0.1	< 0.01	< 0.01	0

**Air Pollution Data (Regulation: Air Pollution Control Law)**

Boilers had been targeted for improvement, but in September of 2001 the boilers were replaced with a smaller model and thus no targets for improvement remain.

**Gunma Manufacturing Division, PRTR (All Plants Total)****PRTR**

(Substances whose amounts were one ton and over per year are shown below. The substances marked with an \* are Class 1 designated chemical substances.) [Units: tons/year, Dioxins: mg-TEQ/year]

Code	CAS Number	Chemical Substance	Amount handled	Air release	Water emissions (public water)	Transfer	Consumption	Solvent wiping Removal	Recycle	Landfill
1	none	Zinc compound (Water-soluble)	27.17	0	0.29	5.44	21.45	0	0	0
9	103-23-1	Bis (2-ethylhexyl) adipate	1.21	0	0	0	1.20	0.01	0	0
16	141-43-5	2- Aminoethanol	3.45	0	0.28	0.03	0	3.14	0	0
30	25068-38-6	polymer of 4,4'-isopropylidenediphenol and 1-chloro-2,3-epoxypropane(liquid)	17.05	0	0	2.47	14.39	0.19	0	0
40	100-41-4	Ethylbenzene	327.90	175.88	0	0	49.12	26.49	76.41	0
43	107-21-1	Ethylene glycol	1,620.49	0	0	0	1,620.49	0	0	0
63	1330-20-7	Xylene	798.23	403.89	0	0	220.71	61.43	112.20	0
176	none	Organotin compound	2.94	0	0.01	0.14	2.79	0	0	0
179*	—	Dioxins	0.24	0.24	0	0	0	0	0	0
224	108-67-8	1,3,5-trimethylbenzene	32.36	16.45	0	0	2.37	4.81	8.73	0
227	108-88-3	Toluene	752.79	346.71	0	0	293.13	74.55	38.40	0
232*	none	Nickel compound	6.70	0	0.30	4.91	1.50	0	0	0
272	117-81-7	Bis (2-ethylhexyl) phthalate	86.99	0	0	3.97	83.02	0	0	0
283	none	Hydrogen fluoride and water-soluble salts	3.91	0	1.01	2.89	0	0	0	0
299*	71-43-2	Benzene	17.24	0.02	0	0	17.22	0	0	0
309	9016-45-9	Poly (oxyethylene) =nonylphenyl ether	1.20	0	0.09	0.90	0.12	0.09	0	0
310	50-00-0	Formaldehyde	1.38	1.38	0	0	0	0	0	0
311	none	Manganese and its compounds	10.87	0	0.30	5.22	5.35	0	0	0
Total			3711.87	944.34	2.27	25.97	2,332.84	170.72	235.74	0

Utsunomiya Manufacturing  
Division

## Utsunomiya Manufacturing Division

### Utsunomiya Manufacturing Division, Main Plant

[Location] 1-1-11, Yonan, Utsunomiya, Tochigi [Site area (building area)] Eco Technologies Company and Transportation Division: 170,000 m<sup>2</sup> (50,000 m<sup>2</sup>), Aerospace Company: 190,000 m<sup>2</sup> (90,000 m<sup>2</sup>) [Products manufactured] Eco Technologies Company: refuse collection vehicles, environmental equipment Aerospace company: Aircraft, unmanned aircraft, space-related equipment [Number of employees] Eco Technologies Company: 238, Aerospace Company: 1,623

#### Water Pollution Data (Discharge: Public sewage works Regulations: Sewerage Law, Utsunomiya City Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	From 5 to 9	8.5	6.2	7.4
SS	Less than 600	469	< 1.0	< 105.3
BOD	Less than 600	355	0.9	67.9
Oil content (inorganic)	5	3.3	< 1.0	< 1.15
Oil content (organic)	30	10.9	< 1.0	< 6.42
Fluorine compounds	8	2.2	< 0.2	< 0.75
Cyanide	1	< 0.1	< 0.1	< 0.1
Cadmium	0.1	0.03	< 0.005	< 0.015
Total chromium	2	1.6	< 0.01	< 0.05
Hexavalent chromium	0.1	0.04	< 0.02	< 0.02

#### Air Pollution Data (Regulation: Air Pollution Control Law)

Substance	Facilities	Regulated values	Maximum values	Minimum values	Average values
SOx	Boiler	8	0.40	0.14	0.19
	Furnace	8	0.07	0.07	0.07
NOx	Boiler	250	54	54	54
	Furnace	180	60	28	50
PM	Boiler	230	43	35	39
	Dry-off furnace	0.3	0.013	0.005	0.009
		0.2	0.002	0.002	0.002

### Utsunomiya Manufacturing Division, South Plant

[Location] 1388-1, Esojima, Utsunomiya, Tochigi [Site area (building area)] 140,000 m<sup>2</sup> (30,000 m<sup>2</sup>) [Products manufactured] Aircraft [Number of employees] 483

#### Water Pollution Data (Discharge: Public sewage works Regulations: Sewerage Law, Utsunomiya City Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	From 5 to 9	7.9	6.5	7.3
BOD	Less than 600	121	3.2	33.7
SS	Less than 600	80.2	10.9	221.8
Oil content (inorganic)	5	1.6	< 1.0	< 1.07
Oil content (organic)	30	12.8	< 1.0	< 3.6
Cadmium	0.1	< 0.005	< 0.005	< 0.005
Cyanide	1	< 0.1	< 0.1	< 0.1
Total chromium	2	0.04	< 0.01	< 0.01
Hexavalent chromium	0.1	< 0.02	< 0.02	< 0.02

#### Air Pollution Data (Regulation: Air Pollution Control Law)

Substance	Facilities	Regulated values	Maximum values	Minimum values	Average values
SOx	Boiler	8	0.11	0.11	0.11
NOx	Boiler	180	104	63	83
PM	Boiler	0.3	0.003	0.002	0.003

### Utsunomiya Manufacturing Division, South No. 2 Plant

[Location] 2-810-4, Miyanouchi, Utsunomiya, Tochigi [Site area (building area)] 100,000 m<sup>2</sup> (20,000 m<sup>2</sup>) [Products manufactured] Aircraft [Number of employees] 123

#### Water Pollution Data (Discharge: Public sewage works Regulations: Sewerage Law, Utsunomiya City Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	From 5 to 9	7.8	6.8	7.3
BOD	Less than 600	122	< 1.0	< 31
SS	Less than 600	162	< 0.5	< 39.4
Oil content (inorganic)	5	3.3	< 1.0	< 1.21
Oil content (organic)	30	10.5	< 1.0	< 4.12
Fluorine compounds	8	0.5	< 0.2	< 0.22
Cadmium	0.1	< 0.005	< 0.005	< 0.005
Cyanide	1	< 0.1	< 0.1	< 0.1
Total chromium	2	1.6	< 0.01	< 0.05
Hexavalent chromium	0.1	0.08	< 0.02	< 0.03

#### Air Pollution Data (Regulation: Air Pollution Control Law)

Substance	Facilities	Regulated values	Maximum values	Minimum values	Average values
SOx	Boiler	8	0.52	0.2	0.2

### Utsunomiya Manufacturing Division, Handa Plant

[Location] 1-27, Shiohi-cho, Handa, Aichi [Site area (building area)] 50,000 m<sup>2</sup> (5,000 m<sup>2</sup>) [Products manufactured] Aircraft [Number of employees] 77

#### Water Pollution Data (Discharge: Public rivers Regulations: Water Pollution Control Law, Aichi Prefectural Ordinances, Handa City Ordinances, and Pollution Control Agreements with Handa City)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	6 ~ 8	7.5	6.6	6.95
BOD	25	15	1.9	6.1
COD	25	16	1.8	8.6
SS	25	6	1	3
Coliform count/ml	3000	47	30	32.8
Oil content	5	< 0.5	< 0.5	< 0.5
Cadmium	0.1	< 0.005	< 0.005	< 0.05
Cyanide	1	< 0.1	< 0.1	< 0.1
Hexavalent chromium	0.1	< 0.04	< 0.04	< 0.04
Total chromium	2	< 0.04	< 0.04	< 0.04

#### Air Pollution Data (Regulation: Air Pollution Control Law)

Substance	Facilities	Regulated values	Maximum values	Minimum values	Average values
SOx	Boiler	1.5	0.27	0.02	0.14
NOx	Boiler	180	140	59	99
PM	Boiler	0.1	0.004	0.002	0.003

[Data measurement] April 2004–March 2005

- Water Pollution [Notations] —pH: Hydrogen-ion concentration, BOD: Biochemical oxygen demand, SS: Concentration of suspended solids in water [Units] —mg/l, except pH
- Air Pollution [Notations] —HCL: Hydrogen chloride [Units] —SOx : m<sup>3</sup>N/h, NOx : ppm, PM : g/m<sup>3</sup>N, HCL : mg/m<sup>3</sup>N, Dioxins : ng-TEQ/m<sup>3</sup>N

## Utsunomiya Manufacturing Division, PRTR (All Plants Total)

## PRTR

(Substances whose amounts were one ton and over per year are shown below. The substances marked with an \* are Class 1 designated chemical substances.) [Units: tons/year, Dioxins: mg-TEQ/year]

Code	CAS Number	Chemical Substance	Amount handled	Air emissions	Water emissions (public water)	Transfer	Consumption	Solvent wiping Removal	Recycle	Landfill
40	100-41-4	Ethylbenzene	5.83	4.36	0	0	0.38	0.27	0.82	0
63	1330-20-7	Xylene	24.35	16.44	0	0.63	3.84	0.86	2.58	0
69*	none	Hexavalent Chromium	3.83	0	0	0.09	0.27	0.66	2.79	0
227	108-88-3	Toluene	22.16	15.39	0	3.58	2.93	0.06	0.19	0
Total			56.16	36.20	0	4.31	7.42	1.86	6.38	0



## Industrial Products Company

Industrial Products Company

[Location] 4-410, Asahi, Kitamoto, Saitama [Site area (building area)] 140,000 m<sup>2</sup> (90,000 m<sup>2</sup>) [Products manufactured] Multi-purpose engines (Robin engines), engine generators, engine pumps [Number of employees] 601

## Water Pollution Data (Discharge: Public sewage works Regulation: Kitamoto City Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	5.0 ~ 9.0	8.6	6.1	7.7
BOD	600	337	92.3	281
SS	600	130	96.9	146
Oil content	30	10	3.1	6.9

## Air Pollution Data

The incinerators had been targeted for improvement, but incinerator use was suspended on September 28, 2001, leaving no targets for improvement.

## PRTR

(Substances whose amounts were one ton and over per year are shown below. The substances marked with an \* are Class 1 designated chemical substances.) [Units: tons/year, Dioxins: mg-TEQ/year]

Code	CAS Number	Chemical Substance	Amount handled	Air emissions	Water emissions (public water)	Transfer	Consumption	Solvent wiping Removal	Recycle	Landfill
40	100-41-4	Ethylbenzene	1.39	0.02	0	0	1.38	0	0	0
43	107-21-1	Ethylene glycol	3.39	0	0	0	3.39	0	0	0
63	1330-20-7	Xylene	7.18	0.06	0	0	7.12	0	0	0
227	108-88-3	Toluene	12.47	0.19	0	0	12.28	0	0	0
Total			24.44	0.27	0	0	24.17	0	0	0



## Tokyo Office

Tokyo Office

[Location] 3-9-6, Osawa, Mitaka, Tokyo [Site area (building area)] 160,000 m<sup>2</sup> (90,000 m<sup>2</sup>) [Number of employees] 1014

## Water Pollution Data (Discharge: Public sewage works Regulation: Mitaka City Ordinances)

Substance	Regulated values	Maximum values	Minimum values	Average values
pH	Over 5.7, under 8.7	8.4	7.3	8.1
BOD	300	160	4.8	59.4
SS	300	180	12	56.9
Oil content	5	ND	ND	ND
Manganese	10	0.16	ND	0.05

## Air Pollution Data (Regulation: Tokyo Pollution Control Ordinances)

Substance	Facilities	Regulated values	Maximum values	Average values
NOx	Boiler	0.263	0.066	0.052
SOx	Boiler	90	67	58
PM	Boiler	0.3	0.02	0.01

## PRTR

(Substances whose amounts were one ton and over per year are shown below. The substances marked with an \* are Class 1 designated chemical substances.) [Units: tons/year, Dioxins: mg-TEQ/year]

Code	CAS Number	Chemical Substance	Amount handled	Air emissions	Water emissions (public water)	Transfer	Consumption	Solvent wiping Removal	Recycle	Landfill
40	100-41-4	Ethylbenzene	26.81	0	0	0	26.81	0	0	0
63	1330-20-7	Xylene	117.37	0	0	0	117.37	0	0	0
224	108-67-8	1,3,5 - trimethylbenzene	14.41	0	0	0	14.41	0	0	0
227	108-88-3	Toluene	222.87	0.01	0	0	222.85	0	0	0
299*	71-43-2	Benzene	7.25	0	0	0	7.25	0	0	0
Total			388.71	0.02	0	0	388.69	0	0	0

[Data measurement] April 2004–March 2005

- Water Pollution [Notations] —pH: Hydrogen-ion concentration, BOD: Biochemical oxygen demand, SS: Concentration of suspended solids in water [Units] —mg/l, except pH
- Air Pollution [Notations] —HCL: Hydrogen chloride [Units] —SOx: m<sup>3</sup>N/h, NOx: ppm, PM: g/m<sup>3</sup>N, HCL: mg/m<sup>3</sup>N, Dioxins: ng-TEQ/m<sup>3</sup>N

## Product data

## Automobiles

Model		Legacy Outback	Forester	Impreza Sedan	R2	R1	Sambar Van	
Grade		3.0R	2.0 XS	WRX	i	R	VC	
Date sales began		2004/5	2005/1	2004/6	2004/11	2005/1	2004/9	
Vehicle type		CBA-BPE	CBA-SG5	TA-GDA	CBA-RC1	CBA-RJ1	LE-TV2	
Engine	Model	EZ30	EJ20	EJ20	EN07	EN07	EN07	
	Displacement (l)	2.999	1.994	1.994	0.658	0.658	0.658	
	Type	Horizontally opposed 6-cylinder 3.0 l, DOHC, 24-valve, variable valve timing + direct variable valve lift	Horizontally opposed 4-cylinder 2.0 l, SOHC, 16-valve	Horizontally opposed 4-cylinder 2.0 l, DOHC, 16-valve variable valve timing turbo	In-line 4-cylinder, SOHC	In-line 4-cylinder, DOHC 16-valve variable valve timing	In-line 4-cylinder, SOHC	
	Fuel type used	Premium Gasoline	Regular	Premium Gasoline	Regular	Regular	Regular	
	Highest power output (net) [kW(PS)/rpm]	184(250)/6600	103(140)/5600	184(250)/6000	34(46)/6000	40(54)/6400	35(48)/6400	
	Maximum torque (net) [N · m (kg · m) / rpm]	304(31.0)/4200	186(19.6)/4400	333(34.0)/3600	58(5.9)/5200	63(6.4)/4400	58(5.9)/3200	
Drive train	Drive system	AWD	AWD	AWD	2WD	2WD	4WD	
	Transmission	5AT	4AT	5MT	CVT	CVT	5MT	
Weight (kg)		1520 ~ 1540	1390 ~ 1410	1360 ~ 1380	800	800 ~ 810	930 ~ 940	
Fuel Consumption Rate	10.15 mode fuel economy (km/l)	11.0	13.0	11.8	22.5	24.0	16.6	
	CO <sub>2</sub> emissions (g/km)	211.1	178.6	196.8	103.2	96.7	139.9	
	Reference	FY 2010 fuel economy standard achieved (○ indicates +5% over target)	◎	○	—	◎	◎	◎
		Meets the Japan's Green tax plan target	◎	—	—	◎	◎	—
		Law on Promoting Green Purchasing adopted	○	○	—	○	○	○*2
Exhaust Emissions	Regulations adopted	2005 Regulations	2005 Regulations	2000 Regulations	2005 Regulations	2005 Regulations	2002 Regulations	
	Certification level of low emission vehicles	50% reduction beyond 2005 Standards (☆☆☆)	50% reduction beyond 2005 Standards (☆☆☆)	25% reduction beyond 2000 Standards (☆)	50% reduction beyond 2005 Standards (☆☆☆)	50% reduction beyond 2005 Standards (☆☆☆)	50% reduction beyond 2002 Standards (☆☆☆)	
	10.15 mode or 10.15 + 11 mode regulation figures (in g/km)	CO	1.15	1.15	0.67	1.15	1.15	3.30
		HC	—	—	0.06	—	—	0.07
		NMHC*1	0.025	0.025	—	0.025	0.025	—
		NOx	0.025	0.025	0.06	0.025	0.025	0.07
	Reference	Low-pollution vehicle system designated by eight Kanto area prefectures and cities	50% reduction in emissions from 2005 standards	50% reduction in emissions from 2005 standards	Good Low Pollution Vehicle	50% reduction in emissions from 2005 standards	50% reduction in emissions from 2005 standards	Excellent Low pollution Vehicle
LEV-6 designation by six Kaihanshin area prefectures and cities		17LEV	17LEV	TLEV	17LEV	17LEV	LEV	
Noise	Regulations adopted	1998 Regulations	1998 Regulations	1998 Regulations	1998 Regulations	1998 Regulations	2000 Regulations	
	Acceleration noise regulation figures (dB-A)	76	76	76	76	76	76	
Type of air conditioner refrigerant and amount of refrigerant used		HFC134a, 400g	HFC134a, 600g	HFC134a, 500g	HFC134a, 400g	HFC134a, 400g	HFC134a, 400g	
Substances with environmental impact		Lead: JAMA year 2006 target achieved (less than one-tenth of the 1996 level)*3	Lead: JAMA year 2006 target achieved (less than one-tenth of the 1996 level)*3	Lead: JAMA year 2006 target achieved (less than one-tenth of the 1996 level)*3	Lead: JAMA year 2005 target achieved (less than one-third of the 1996 level)	Lead: JAMA year 2005 target achieved (less than one-third of the 1996 level)	Lead: JAMA year 2005 target achieved (less than one-third of the 1996 level)	
Recycling	Uses of easy-to-recycle materials	There are many uses for the easy-to-recycle thermoplastic resin in car bumpers, instrument panels, door trim, etc.	There are many uses for the easy-to-recycle thermoplastic resin in car bumpers, instrument panels, door trim, etc.	There are many uses for the easy-to-recycle thermoplastic resin in car bumpers, instrument panels, door trim, etc.	There are many uses for the easy-to-recycle thermoplastic resin in car bumpers, instrument panels, door trim, etc.	There are many uses for the easy-to-recycle thermoplastic resin in car bumpers, instrument panels, door trim, etc.	There are many uses for the easy-to-recycle thermoplastic resin in car bumpers, instrument panels, door trim, etc.	
	Uses of recycled materials	Materials recovered from bumpers are used in some plastic parts; clothing hems are used for interior parts; used fishnets are used to make engine covers; used paper is recycled as anti-vibration material.	Materials recovered from bumpers are used in some plastic parts; clothing hems are used for interior parts; used fishnets are used to make engine covers; paint residue and used paper are recycled as anti-vibration material	Materials recovered from bumpers are used in some plastic parts; insulators are made from recycled PET bottles; paint residue and used paper are recycled as anti-vibration material	Materials recovered from bumpers, PET bottles, and clothing hems are used in some plastic parts; paint residue and used paper are recycled as anti-vibration material	Materials recovered from bumpers, PET bottles, and clothing hems are used in some plastic parts; paint residue and used paper are recycled as anti-vibration material	Materials recovered from bumpers are used in some plastic parts; recycled Polypropylene is used to make air purifiers; clothing hems are used to make anti-noise materials; used paper is recycled as anti-vibration materials	
	Material indication	Plastic parts of 100g or more and rubber parts of 200g or more display their material	Plastic parts of 100g or more and rubber parts of 200g or more display their material	Plastic parts of 100g or more and rubber parts of 200g or more display their material	Plastic parts of 100g or more and rubber parts of 200g or more display their material	Plastic parts of 100g or more and rubber parts of 200g or more display their material	Plastic parts of 100g or more and rubber parts of 200g or more display their material	
	A design that allows for easy disassembly	Air bags and tail lights are easy to remove. Due to the indication, it is possible to confirm the bumper material prior to removal.	Seat cushions are easy to remove. Due to the indication, it is possible to confirm the bumper material prior to removal.	Seat cushion and instrument panels are easy to remove. Due to the indication, it is possible to confirm the bumper material prior to removal.	Alternators rear gates are easy to remove. Due to the indication, it is possible to confirm the bumper material prior to removal.	Alternators are easy to remove. Due to the indication, it is possible to confirm the bumper material prior to removal.	Glove compartments are easy to remove from instrument panel. Due to the indication, it is possible to confirm the bumper material prior to removal.	

\*1 NMHC: Non-Methane Hydrocarbon \*2 By the end of the 2004 fiscal year, Sambar Van had conformed to the standards of the Law on Promoting Green Purchasing. From the 2005 fiscal year, we are reviewing the standards of the Law on Promoting Green Purchasing. (A car that meets 2010 Standards of a 75% reduction in Exhaust Emissions, 2005 Standards of at least a 50% reduction in exhaust emissions, and FY 2010 fuel efficiency standards.) \*3 This corresponds to cars manufactured from February, 2005.

## General-Purpose Engine

Item	Category	General-Purpose Engine
Engine Model		EH09-2 model
Engine Form		Air-cooled four cycle single cylinder OHV gasoline engine
Maximum Output Capacity (kW/rpm)		2.1/4200
Total Displacement (ml)		86
Dry Mass (kg)		9.9
Exhaust Emissions	HC + NOx (g/kW · h)	11.0
	CO (g/kW · h)	469.4
	EPA Phase 2 (U.S.)	Conforms
	CARB Tier 2 (California)	Conforms
	EC SN2 Stage 2 (Europe)	Conforms
Noise	Non load/3600rpm, 5m average (dBA)	68.9

### (Reference) Exhaust emissions regulations

exhaust emissions regulations	Category	Class	Emission amount (ml)	CO (g/kW · h)	HC+NOx (g/kW · h)
EPA Regulations after 2005 (Phase II)	Non-handheld	Class I -B	66≤ml<100	610	40
CARB Regulations after 2005	Small off-road	Horizontal	80<ml<225	549	16.1

EU exhaust emissions regulations	Category	Class	Emission amount (ml)	CO (g/kW · h)	HC+NOx (g/kW · h)
EU 97/68/ EC-2002/ 88/EC	Non-handheld	Stage II	66≤ml<100	610	40

## Other data

### Qualified Personnel in Pollution Control Management

Qualification type	Total number of personnel holding qualifications		
Pollution control managers	Chief managers	8	
	Air-related	Type 1	7
		Type 2	7
		Type 3	45
		Type 4	16
	Water-related	Type 1	8
		Type 2	23
		Type 3	15
	Noise-related	45	
	Vibration-related	38	
Tokyo Pollution Control Managers	3		
Managers Responsible for Tokyo Water Quality	5		
Energy management experts	Heat management	21	
	Electronic management	15	
Working environment measurement experts		3	
Technical managers for industrial waste		14	
Management representatives for industrial waste subject to special control		38	
Internal environmental auditors (internal qualification)		552	

As of March 31st, 2005

### Number of Employees Receiving Environmental Education by Level (FY 2004)

Type of education or training	Number of employees receiving education
Education for new hires	262
Education for persons newly promoted	1,102
Total	1,364