

Environment

Environmental-Related Data

This page outlines the environmental activities of each of Hino Motors production plants as well as data based on environment-related laws and regulations.

Headquarters and Hino Plant

Headquarters and Hino Plant Overview

Address	1-1, Hinodai 3-chome, Hino-shi, Tokyo
Major products	Heavy-duty trucks (Hino Profia) Medium-duty trucks (Hino Ranger)
Employees	5,400
Site area	447,081 m ²
Total floor space	405,480 m ²

■ Data Based on Environment-Related Laws and Regulations

Water Quality (Water Pollution Control Law and Prefectural Ordinances)

Effluent water quality analysis (river channel and discharge site: Tama River via Yaji River)

Item	Unit	Regulatory limit	Max.	Min.	Avg.
Discharge volume	m ³ /day	–	4,981	297	1,703
pH		5.8~8.6	8.3	7.1	7.5
BOD	mg/l	20	2.5	ND	0.6
COD	mg/l	–	8.7	1.2	3.8
SS	mg/l	40	6	ND	0.6
N-hexane	mg/l	5	ND	ND	ND
Total phosphorous	mg/l	2	0.7	ND	0.2
Total nitrogen	mg/l	20	15.5	3.4	8.9
Zinc content	mg/l	2	0.3	0.05	0.2
Fluorine compounds	mg/l	8	0.11	0.06	0.09

ND: Not Detected (Less than the minimum determined limit)

■ Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Unit	Regulatory limit	Max.	Min.	Avg.
Boilers (processed natural gas)	NOx	ppm	–	33	14	24
	Soot and dust	g/Nm ³	–	ND	ND	ND
Continuous furnaces (processed natural gas)	NOx	ppm	180	110	32	63
	Soot and dust	g/Nm ³	0.2	0.08	ND	0.02

ND: Not Detected (Less than the minimum determined limit)

■ Chemical Substances (PRTR Law)(Unit: tons/year)

Cabinet Order No.	Class I Designated Chemical Substances	Volume handled	Volume discharged		Volume transferred		Volume recycled	Volume removed/disposed	Volume consumed
			Air	Water	Waste	Public sewer system			
53	Ethylbenzene	16	5.3	0	0.017	0	1.8	8	0.75
80	Xylene	38	17	0	0.033	0	1.4	16	3.5
188	NN-dicyclohexylamine	1.5	0	0	1.5	0	0	0	0
190	Dicyclopentadiene	3.5	0	0	0	0	0	0	3.5
240	Styrene	12	1.8	0	0	0	0	0	9.8
296	1,2,4-trimethylbenzene	26	18	0	0.002	0	3.8	0.95	2.3
297	1,3,5-trimethylbenzene	9.6	8.2	0	0.0005	0	1.1	0.27	0
300	Toluene	26	3.4	0	0.026	0	0.4	14	7.5
392	N-hexane	3.1	0.17	0	0	0	0	0	2.9
400	Benzene	0.5	0.027	0	0	0	0	0	0.47
412	Manganese and its compounds	1.8	0	0.033	0.59	0	0	0	1.2
438	Methylnaphthalene	5.9	0.3	0	0	0	0	0	5.6

Applies to volumes handled equal to one ton or more (or 500 kg or more in the case of Specified Class I Designated Chemical Substances) Air Quality (Air Pollution Control Law and Prefectural Ordinances) Chemical Substances (PRTR Law)(Unit: tons/year)

Volume removed/disposed: Volume removed by incineration, decomposition or other treatment method

Volume consumed: Volume converted to other substances by chemical reaction or incorporated in or appended to products and removed from the premises

Hamura Plant

Plant Overview

Address	3-1-1 Midorigaoka, Hamura-shi, Tokyo
Major products	Light-duty trucks (Hino Dutro, Dyna, Toyoace, Land Cruiser Prado, and FJ Cruiser)
Employees	4,500
Site area	750,770 m ²
Total floor space	377,691 m ²

■ Data Based on Environment-Related Laws and Regulations

Water Quality (Sewerage Law) and Effluent Water Quality Analysis (Sewer Effluent)

Item	Unit	Regulatory limit	Max.	Min.	Avg.
Discharge volume	m ³ /day	–	5,026	1	1,765
pH		5.7~8.7	7.7	6.5	7.1
BOD	mg/l	300	27	4.4	13.7
SS	mg/l	300	14	3	6.3
N-hexane	mg/l	5	2	ND	0.2
Total phosphorous	mg/l	16	6.9	2.6	4.6
Total nitrogen	mg/l	120	13	2.1	4.5
Zinc content	mg/l	2	ND	ND	ND
Fluorine compounds	mg/l	8	1.1	ND	0.6

ND: Not Detected (Less than the minimum determined limit)

■ Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Unit	Regulatory limit	Max.	Min.	Avg.
Cogeneration equipment Gas turbine (processed natural gas)	NOx	ppm	35	19	11	18
	Soot and dust	g/Nm ³	0.05	ND	ND	ND
Cogeneration equipment Gas engine (processed natural gas)	NOx	ppm	500	320	320	320
	Soot and dust	g/Nm ³	0.05	ND	ND	ND
Drying furnaces (processed natural gas)	NOx	ppm	230	66	8	21
	Soot and dust	g/Nm ³	0.2	0.006	ND	0.004

ND: Not Detected (Less than the minimum determined limit)

■ Chemical Substances (PRTR Law)(Unit: tons/year)

Cabinet Order No.	Class I Designated Chemical Substances	Volume handled	Volume discharged		Volume transferred		Volume recycled	Volume removed/disposed	Volume consumed
			Air	Water	Waste	Public sewer system			
1	Water-soluble zinc compound	10	0	0	0	0	0	10	0
53	Ethylbenzene	66	52	0	0.086	0	2.3	3.5	7.59
57	Ethylene glycol monoethyl ether	3	3	0	0.005	0	0	0	0
80	Xylene	110	66	0	0.11	0	1.9	4.2	34.7
133	Acetic acid-2-ethoxyethyl	6.1	6.1	0	0.01	0	0	0	0
188	NN-dicyclohexylamine	1.4	0	0	1.4	0	0	0	0
296	1,2,4-trimethylbenzene	83	52	0	0.063	0	4.9	2.8	23.4
297	1,3,5-trimethylbenzene	17	15	0	0.017	0	1.4	0.76	0.21
300	Toluene	120	38	0	0.059	0	0.51	1.5	78
309	Nickel compounds	1.8	0	0	0.9	0.23	0	0	0.66
392	N-hexane	31	1.7	0	0	0	0	0	29.3
400	Benzene	5	0.27	0	0	0	0	0	4.72
411	Formaldehyde	1.7	1.5	0	0.0029	0	0	0.15	0
412	Manganese and its compounds	14	0	0	1.2	0.068	0	0	13
438	Methylnaphthalene	1.6	0.079	0	0	0	0	0	1.5

Applies to volumes handled equal to one ton or more (or 500 kg or more in the case of Specified Class I Designated Chemical Substances) Air Quality (Air Pollution Control Law and Prefectural Ordinances) Chemical Substances (PRTR Law)(Unit: tons/year)

Volume removed/disposed: Volume removed by incineration, decomposition or other treatment method

Volume consumed: Volume converted to other substances by chemical reaction or incorporated in or appended to products and removed from the premises

Nitta Plant

Plant Overview

Address	10-1 Nittahayakawa-cho, Ota-shi, Gunma Prefecture
Major products	Medium- and light-duty truck engines, medium- and heavy-duty truck transmissions, and medium-duty truck axles
Employees	3,200
Site area	567,608 m ²
Total floor space	402,990 m ²

■ Data Based on Environment-Related Laws and Regulations

Water Quality (Water Pollution Control Law, Prefectural Ordinances and Environmental Pollution Prevention Agreement with the Local Government) Effluent water quality analysis (river channel and discharge site: Tone River via Hayakawa River)

Item	Unit	Regulatory limit	Max.	Min.	Avg.
Discharge volume	m ³ /day	–	626	1	223
pH		6.0~8.0	7.5	6.9	7.2
BOD	mg/l	10	1	ND	0.17
SS	mg/l	15	2	ND	0.17
N-hexane	mg/l	3	ND	ND	ND
Total phosphorous	mg/l	60	0.1	ND	0.04
Total nitrogen	mg/l	120	29	12	19.3
Zinc content	mg/l	1	0.05	ND	0.004
Fluorine compounds	mg/l	1.5	ND	ND	ND

ND: Not Detected (Less than the minimum determined limit)

■ Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Unit	Regulatory limit	Max.	Min.	Avg.
Continuous furnaces #1 (kerosene)	NOx	ppm	180	160	26	94
	Soot and dust	g/Nm ³	0.1	0.012	ND	0.002

ND: Not Detected (Less than the minimum determined limit)

■ Chemical Substances (PRTR Law)(Unit: tons/year)

Cabinet Order No.	Class I Designated Chemical Substances	Volume handled	Volume discharged		Volume transferred		Volume recycled	Volume removed/disposed	Volume consumed
			Air	Water	Waste	Public sewer system			
31	Antimony and its compounds	4.7	0	0	0.1	0	0	0	4.6
53	Ethylbenzene	12	12	0	0.086	0	0	0	0.21
80	Xylene	34	27	0	0.05	0	0	0	6.5
87	Chromium & trivalent chromium compounds	20	0	0	0.4	0	0	0	19
188	NN-dicyclohexylamine	4.2	0.18	0	4	0	0	0	0
277	Triethylamine	54	1	0	0	0	0	53	0
296	1,2,4-trimethylbenzene	15	8.6	0	0.0027	0	0	0	6.6
297	1,3,5-trimethylbenzene	5.8	5.8	0	0.0005	0	0	0	0
300	Toluene	37	35	0	0.064	0	0	0	2.1
309	Nickel compounds	0.72	0	0.0022	0.22	0	0	0	0.5
349	Phenol	6.9	0	0	0	0	0	6.9	0
392	N-hexane	1.4	0.63	0	0	0	0	0	0.81
412	Manganese and its compounds	2.5	0	0.034	0.63	0	0	0	1.9
438	Methylnaphthalene	17	0.83	0	0	0	0	0	16
448	4,4-MDI	64	0	0	0	0	0	0	64
453	Molybdenum and its compounds	36	0	0.0037	0.067	0	0	0	36

Applies to volumes handled equal to one ton or more (or 500 kg or more in the case of Specified Class I Designated Chemical Substances) Air Quality (Air Pollution Control Law and Prefectural Ordinances) Chemical Substances (PRTR Law)(Unit: tons/year)

Volume removed/disposed: Volume removed by incineration, decomposition or other treatment method

Volume consumed: Volume converted to other substances by chemical reaction or incorporated in or appended to products and removed from the premises

Koga Plant

Plant Overview

Address	1, Nasaki, Koga-shi, Ibaraki
Major products	Heavy-duty trucks (Hino Profia) Medium-duty trucks (Hino Ranger)
Employees	2,400
Site area	849,223 m ²
Total floor space	170,457 m ²

■ Data Based on Environment-Related Laws and Regulations

Water Quality (Water Pollution Control Law and Prefectural Ordinances)

Effluent water quality analysis (river channel and discharge site: From Higashinire-gawa River travels through Sugao-numa Lake to meet Tone-gawa River)

Item	Unit	Regulatory limit	Max.	Min.	Avg.
Discharge volume	m ³ /day	–	280	1	146
pH		5.8~8.6	7.9	7.6	7.7
BOD	mg/l	25	13	1.9	6.3
SS	mg/l	40	14	4	6.5
N-hexane	mg/l	10	ND	ND	ND
Total phosphorous	mg/l	16	1.8	0.06	0.8
Total nitrogen	mg/l	120	8.8	3.1	6.8
Zinc content	mg/l	2	0.5	0.04	0.2
Fluorine compounds	mg/l	8	0.9	ND	0.2

ND: Not Detected (Less than the minimum determined limit)

■ Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Unit	Regulatory limit	Max.	Min.	Avg.
Drying furnaces (processed natural gas)	NOx	ppm	230	50	10	30
	Soot and dust	g/Nm ³	0.2	0.01	ND	0.004

ND: Not Detected (Less than the minimum determined limit)

■ Chemical Substances (PRTR Law)(Unit: tons/year)

Cabinet Order No.	Class I Designated Chemical Substances	Volume handled	Volume discharged		Volume transferred		Volume recycled	Volume removed/disposed	Volume consumed
			Air	Water	Waste	Public sewer system			
53	Ethylbenzene	16	9.7	0	0.022	0	4.7	1.3	0.089
80	Xylene	19	12	0	0.045	0	3.9	1.9	0.41
296	1,2,4-trimethylbenzene	15	4.6	0	0.0033	0	10	0.036	0.027
297	1,3,5-trimethylbenzene	4.2	1.3	0	0.0008	0	2.9	0.003	0
300	Toluene	5.3	3.1	0	0.01	0	1.1	0.22	0.89

Applies to volumes handled equal to one ton or more (or 500 kg or more in the case of Specified Class I Designated Chemical Substances) Air Quality (Air Pollution Control Law and Prefectural Ordinances) Chemical Substances (PRTR Law)(Unit: tons/year)

Volume removed/disposed: Volume removed by incineration, decomposition or other treatment method

Volume consumed: Volume converted to other substances by chemical reaction or incorporated in or appended to products and removed from the premises

Oume Parts Center



Center Overview

Address	1-5-1 Suehiro-cho, Ome-shi, Tokyo
Description of business	Management and transport of service parts
Employees	73
Site area	26,288 m ²
Total floor space	31,533 m ²

Hidaka Delivery Center



Center Overview

Address	689-1 Kamikayama, Hidaka-shi, Saitama Prefecture
Description of business	Management and transport of products (trucks)
Employees	12
Site area	265,989 m ²
Total floor space	10,118 m ²

The Americas



Center Overview

Company name	Hino Motors Manufacturing U.S.A., Inc.
Head office address	37777 Interchange Drive, Farmington Hills, MI 48335
Description of business	Manufacture of Hino Motors vehicles, sale of service parts, manufacture and sale of automobile parts and components, other

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	24,271 t-CO ₂
Incinerated waste	11,226 t
Water usage	9,000 m ³

Thailand



Center Overview

Company name	Hino Motors Manufacturing (Thailand) Ltd.
Head office address	No. 99 Moo 3, Thepharak Road, Samrong Nua, Muang Samutprakarn, Samutprakarn Province, Thailand
Description of business	Manufacture and sale of Hino Motors trucks and buses, manufacture and sale of automobile parts and components

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	21,923 t-CO ₂
Incinerated waste	6,566 t
Water usage	224,000 m ³

Indonesia



Center Overview

Company name	PT. Hino Motors Manufacturing Indonesia
Head office address	Kawasan Industri Kota Bukit Indah Blok D1 No.1 Purwakarta 41181, Jawa Barat, Indonesia
Description of business	Manufacture and sale of Hino Motors trucks and buses

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	12,468 t-CO ₂
Incinerated waste	2,968 t
Water usage	103,000 m ³

Pakistan



Center Overview

Company name	Hinopak Motors Limited
Head office address	D-2, S.I.T.E. Manghopir Road Karachi-75700, Pakistan
Description of business	Manufacture and sale of Hino Motors trucks and buses, supply and sale of mounting superstructures and the import and sale of service parts

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	3,216 t-CO ₂
Incinerated waste	847 t
Water usage	41,000 m ³

Shanghai, China



Center Overview

Company name	Shanghai Hino Engine Co., Ltd.
Head office address	179, Huancheng East Road, Fengxian District, Shanghai, China
Description of business	Manufacture and sale of Hino Motors' brand engines

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	2,546 t-CO ₂
Incinerated waste	310 t
Water usage	17,000 m ³

Vietnam



Center Overview

Company name	Hino Motors Vietnam, Ltd.
Head office address	Hoang Liet, Hoang Mai, Hanoi, Vietnam
Description of business	Manufacture and sale of Hino Motors trucks, and the import and sale of imported service parts

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	759 t-CO ₂
Incinerated waste	85 t
Water usage	4,000 m ³

Canada



Center Overview

Company name	Hino Motors Canada, Ltd.
Head office address	395 Ambassador Drive, Mississauga, Ontario, Canada L5T 2J3
Description of business	Manufacture and sale of Hino trucks; import and sale of service parts

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	1,245 t-CO ₂
Incinerated waste	36 t
Water usage	2,000 m ³

Mexico



Center Overview

Company name	Hino Motors Manufacturing Mexico, S.A. de C.V.
Head office address	Circuito Mexiamora Sur #302, Parque Industrial, Santa Fe
Description of business	Manufacture and wholesale of Hino trucks

■ Data Based on Environment-Related Laws and Regulations

CO ₂ emissions	78 t-CO ₂
Incinerated waste	77 t
Water usage	1,000 m ³