

Title : Kam Tin Rd 2025 EF
 Version : Emfac-HK V4.1 V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1
 Run Date : 2019/09/03 09:43:42
 Scen Year: 2025 -- All model years in the range 1981 to 2025 selected
 Season : Annual
 Area : Hong Kong

 Year: 2025 -- Model Years 1981 to 2025 Inclusive -- Annual
 Emfac-HK V4.1 Emission Factors: V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1

SAR Average Hong Kong SAR Average

Table 1: Running Exhaust Emissions (grams/km)

Pollutant Name: Volatile Org Cpds Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	2.1148	0.0073	0.0409	0	0.0078	0	0.0091	0	0.0211	0.0211	2.1229	0.8224	0.0287	0	0.0565	1.9567	0.1999	0.0273	0	0.0317	0	0	0.0228	0	0.0228	0	0	0.1037	0	0.1037	0	0
50	1.2434	0.0053	0.0258	0	0.0055	0	0.0069	0	0.0136	0.0136	1.2482	0.435	0.0181	0	0.0331	1.1489	0.0895	0.0172	0	0.0191	0	0	0.0114	0	0.0114	0	0	0.0635	0	0.0635	0	0
70	1.0385	0.0053	0.0195	0	0.0055	0	0.0071	0	0.0106	0.0106	1.0425	0.319	0.0137	0	0.0251	0.959	0.0638	0.0131	0	0.0144	0	0	0.0108	0	0.0108	0	0	0.0497	0	0.0497	0	0

Pollutant Name: Carbon Monoxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	35.3538	0.4261	0.2842	0	0.4264	0	0.6844	0	2.5035	2.5024	35.4466	19.1703	0.4079	0	1.0215	29.8759	10.3569	0.4058	0	0.6604	0	0	0.4104	0	0.4104	0	0	0.9222	0	0.9222	0	0
50	23.9086	0.3533	0.1743	0	0.3527	0	0.5849	0	1.7656	1.7649	23.9713	14.8215	0.2239	0	0.6904	20.2041	8.2493	0.2227	0	0.428	0	0	0.3287	0	0.3287	0	0	0.7386	0	0.7386	0	0
70	23.4368	0.3561	0.1474	0	0.3551	0	0.5898	0	1.7789	1.7782	23.4983	12.3487	0.1743	0	0.5743	19.8054	6.8276	0.1734	0	0.3436	0	0	0.3306	0	0.3306	0	0	0.7338	0	0.7338	0	0

Pollutant Name: Oxides of Nitrogen Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	3.1229	0.0192	0.077	0	0.0199	0	0.0639	0	0.3707	0.3705	3.1305	0.3896	1.0336	0	1.0228	2.9199	0.0576	0.9625	0	0.9394	0	0	1.1008	0	1.1008	0	0	1.8063	0	1.8063	0	0
50	3.3302	0.0143	0.0643	0	0.015	0	0.0478	0	0.265	0.2649	3.3383	0.3388	0.6427	0	0.6428	3.1137	0.0446	0.5699	0	0.5565	0	0	0.7703	0	0.7703	0	0	1.2555	0	1.2555	0	0
70	3.8299	0.0128	0.0681	0	0.0135	0	0.0435	0	0.2319	0.2318	3.8393	0.3378	0.541	0	0.5457	3.5809	0.0472	0.4678	0	0.4571	0	0	0.6397	0	0.6397	0	0	1.1206	0	1.1206	0	0

Pollutant Name: Carbon Dioxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	302.7446	302.7447	218.0139	0	301.8802	0	302.7447	0	280.5944	280.6076	302.7447	551.0561	345.4398	0	350.8432	325.9366	606.5781	345.4398	0	352.11	0	0	469.8003	0	469.8003	0	0	539.3707	0	539.3707	0	0
50	197.8031	197.8031	201.0539	0	197.8362	0	197.8031	0	200.8558	200.854	197.8031	360.0414	270.8081	0	272.9844	212.9559	396.3176	270.8081	0	274.0135	0	0	395.4805	0	395.4805	0	0	445.2851	0	445.2851	0	0
70	170.9969	170.9969	206.3976	0	171.3581	0	170.9969	0	196.3645	196.3494	170.9969	311.2487	266.3858	0	267.2982	184.0962	342.6088	266.3858	0	268.3318	0	0	385.066	0	385.066	0	0	419.2383	0	419.2383	0	0

Pollutant Name: PM10 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0.0538	0.0042	0.006	0	0.0043	0	0.0042	0	0	0	0.0538	0.0167	0.0152	0	0.0153	0.0538	0.0117	0.0139	0	0.0139	0	0	0.0394	0	0.0394	0	0	0.0465	0	0.0465	0	0
50	0.0322	0.0021	0.0038	0	0.0021	0	0.0021	0	0	0	0.0322	0.0086	0.0096	0	0.0096	0.0322	0.0058	0.0088	0	0.0087	0	0	0.0324	0	0.0324	0	0	0.032	0	0.032	0	0
70	0.0272	0.0016	0.003	0	0.0016	0	0.0015	0	0	0	0.0272	0.0064	0.0073	0	0.0073	0.0272	0.0043	0.0067	0	0.0066	0	0	0.0324	0	0.0324	0	0	0.028	0	0.028	0	0

Pollutant Name: PM2.5 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0.0407	0.0039	0.0055	0	0.004	0	0.0039	0	0	0	0.0407	0.0155	0.014	0	0.0141	0.0407	0.0108	0.0128	0	0.0127	0	0	0.0362	0	0.0362	0	0	0.0428	0	0.0428	0	0
50	0.0244	0.0019	0.0035	0	0.002	0	0.0019	0	0	0	0.0244	0.008	0.0088	0	0.0088	0.0244	0.0054	0.0081	0	0.008	0	0	0.0298	0	0.0298	0	0	0.0294	0	0.0294	0	0
70	0.0205	0.0015	0.0028	0	0.0015	0	0.0014	0	0	0	0.0205	0.006	0.0067	0	0.0067	0.0205	0.004	0.0061	0	0.0061	0	0	0.0298	0	0.0298	0	0	0.0257	0	0.0257	0	0

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.0504	0	0.0504	0	0	0.0895	0.8674	0.3589	0	0.1165	0.0436	0	0.0707	0	1.2307	0.059	0.8029	0.1662	0	0	0.1879	0	0.1879	0	0	0.3115	0	0.3115	0	0	0.0459	0	0.0459
0.0329	0	0.0329	0	0	0.0548	0.6215	0.251	0	0.0514	0.0275	0	0.0364	0	0.9625	0.0361	0.5518	0.1105	0	0	0.1151	0	0.1151	0	0	0.1908	0	0.1908	0	0	0.0321	0	0.0321
0.0279	0	0.0279	0	0	0.0398	0.5523	0.2172	0	0.0358	0.0209	0	0.0264	0	0.8352	0.0262	0.4425	0.0863	0	0	0.09	0	0.09	0	0	0.1492	0	0.1492	0	0	0.0277	0	0.0277

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.7997	0	0.7997	0	0	1.0287	24.5469	9.1712	0	6.9938	0.3744	0	2.8328	0	20.5895	0.4954	19.17	3.1801	0	0	0.9041	0	0.9041	0	0	1.6716	0	1.6716	0	0	2.3791	0	2.3791
0.5501	0	0.5501	0	0	0.8239	18.2732	6.8652	0	5.5717	0.2054	0	2.1984	0	15.4427	0.3968	15.4009	2.5529	0	0	0.7241	0	0.7241	0	0	1.3388	0	1.3388	0	0	1.6122	0	1.6122
0.476	0	0.476	0	0	0.8288	15.6353	5.9551	0	4.6114	0.1599	0	1.8132	0	15.4427	0.3991	15.4009	2.5549	0	0	0.7194	0	0.7194	0	0	1.33	0	1.33	0	0	1.3525	0	1.3525

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
2.2228	0	2.2228	0	0	0.6472	0.924	0.743	0	0.0869	0.7518	0	0.5048	0	0.3851	0.7211	0.5504	0.6964	0	0	1.4845	0	1.4845	0	0	2.037	0	2.037	0	0	3.3018	0	3.3018
1.3374	0	1.3374	0	0	0.4437	0.7041	0.5339	0	0.07	0.3972	0	0.2757	0	0.3258	0.4944	0.4194	0.4835	0	0	1.0178	0	1.0178	0	0	1.4008	0	1.4008	0	0	2.0252	0	2.0252
1.1238	0	1.1238	0	0	0.3941	0.6931	0.4976	0	0.0638	0.3051	0	0.2155	0	0.2966	0.4391	0.4129	0.4352	0	0	0.9039	0	0.9039	0	0	1.246	0	1.246	0	0	1.7185	0	1.7185

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
1090.46	0	1090.46	0	0	540.236	542.1528	540.8996	0	606.5782	299.79	0	413.7283	0	646.5884	540.236	542.1528	540.5942	0	0	584.607	0	584.607	0	0	718.4749	0	718.4749	0	0	1115.719	0	1115.719
879.4024	0	879.4024	0	0	446.8796	388.0851	426.5238	0	396.3176	299.79	0	335.6394	0	462.8424	446.8798	388.0851	438.4901	0	0	466.3725	0	466.3725	0	0	547.028	0	547.028	0	0	835.0731	0	835.0731
821.8858	0	821.8858	0	0	441.1815	349.3582	409.3904	0	342.6088	299.79	0	315.6925	0	416.6556	441.1816	349.3582	428.0398	0	0	451.6215	0	451.6215	0	0	502.0865	0	502.0865	0	0	762.3557	0	762.3557

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.1072	0	0.1072	0	0	0.0426	0	0.0279	0	0.0116	0.0166	0	0.0148	0	0.0058	0.0399	0	0.0342	0	0	0.0585	0	0.0585	0	0	0.0466	0	0.0466	0	0	0.1828	0	0.1828
0.0746	0	0.0746	0	0	0.0286	0	0.0187	0	0.0057	0.0105	0	0.0087	0	0.0041	0.0269	0	0.023	0	0	0.0385	0	0.0385	0	0	0.0348	0	0.0348	0	0	0.1272	0	0.1272
0.0738	0	0.0738	0	0	0.027	0	0.0176	0	0.0043	0.008	0	0.0066	0	0.0035	0.0253	0	0.0217	0	0	0.0369	0	0.0369	0	0	0.0303	0	0.0303	0	0	0.1258	0	0.1258

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.0986	0	0.0986	0	0	0.0392	0	0.0256	0	0.0108	0.0153	0	0.0136	0	0.0054	0.0367	0	0.0315	0	0	0.0538	0	0.0538	0	0	0.0429	0	0.0429	0	0	0.1682	0	0.1682
0.0686	0	0.0686	0	0	0.0263	0	0.0172	0	0.0053	0.0097	0	0.008	0	0.0038	0.0247	0	0.0212	0	0	0.0354	0	0.0354	0	0	0.032	0	0.032	0	0	0.117	0	0.117
0.0679	0	0.0679	0	0	0.0248	0	0.0162	0	0.004	0.0073	0	0.0061	0	0.0033	0.0233	0	0.02	0	0	0.0339	0	0.0339	0	0	0.0279	0	0.0279	0	0	0.1157	0	0.1157

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0647	0	0.0647	0	0	0.0962	0	0.0962	3.7102	0.432	0	0	0.6152	3.6797	0.0293	0.0588	0.0666	0.0513
0	0	0.0413	0	0.0413	0	0	0.0618	0	0.0618	2.1979	0.195	0	0	0.3069	2.1796	0.0151	0.0366	0.0462	0.0312
0	0	0.0339	0	0.0339	0	0	0.0533	0	0.0533	1.8419	0.1387	0	0	0.2339	1.8266	0.0122	0.0296	0.0394	0.0258

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	2.4181	0	2.4181	0	0	3.0281	0	3.0281	27.9681	2.0871	0	0	3.5329	28.1052	0.5621	0.9319	3.6721	1.3491
0	0	1.9366	0	1.9366	0	0	2.0701	0	2.0701	18.9139	1.6627	0	0	2.6264	19.0066	0.4609	0.6537	2.6461	0.9918
0	0	1.924	0	1.924	0	0	1.8371	0	1.8371	18.5407	1.3761	0	0	2.335	18.6316	0.4417	0.5927	2.5282	0.939

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	3.6374	0	3.6374	0	0	4.1066	0	4.1066	0.5197	0.1699	0	0	0.1894	0.5693	0.0269	1.7085	0.3989	0.6275
0	0	2.4165	0	2.4165	0	0	2.5495	0	2.5495	0.5889	0.1369	0	0	0.1621	0.6411	0.0206	1.0763	0.2875	0.4048
0	0	2.1447	0	2.1447	0	0	2.5226	0	2.5226	0.654	0.1248	0	0	0.1544	0.7144	0.0185	0.9478	0.2556	0.3574

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	1138.124	0	1138.124	0	0	1478.527	0	1478.527	125.7512	171.7558	0	0	169.1857	129.147	298.023	703.1945	294.7583	423.4126
0	0	916.3776	0	916.3776	0	0	1077.745	0	1077.745	85.8658	112.2194	0	0	110.7472	88.0138	194.7186	555.8441	210.9946	310.4397
0	0	842.5355	0	842.5354	0	0	934.0663	0	934.0664	67.0988	97.0115	0	0	95.3404	69.0918	168.3305	520.5001	204.6494	285.3445

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.2094	0	0.2094	0	0	0.2133	0	0.2133	0.0474	0.0042	0	0	0.0066	0.0475	0.0043	0.0698	0	0.0239
0	0	0.156	0	0.156	0	0	0.1587	0	0.1587	0.0284	0.0021	0	0	0.0035	0.0284	0.0021	0.05	0	0.0167
0	0	0.1559	0	0.1559	0	0	0.1581	0	0.1581	0.0239	0.0015	0	0	0.0028	0.024	0.0016	0.0485	0	0.0159

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.1926	0	0.1926	0	0	0.1962	0	0.1962	0.0358	0.0039	0	0	0.0057	0.0359	0.004	0.0642	0	0.022
0	0	0.1436	0	0.1436	0	0	0.146	0	0.146	0.0214	0.0019	0	0	0.003	0.0215	0.002	0.046	0	0.0153
0	0	0.1434	0	0.1434	0	0	0.1455	0	0.1455	0.0181	0.0014	0	0	0.0024	0.0181	0.0015	0.0447	0	0.0147

Title : Kam Tin Rd 2030 EF
 Version : Emfac-HK V4.1 V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1
 Run Date : 2019/09/03 09:45:12
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Annual
 Area : Hong Kong

 Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Annual
 Emfac-HK V4.1 Emission Factors: V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1

SAR Average Hong Kong SAR Average

Table 1: Running Exhaust Emissions (grams/km)

Pollutant Name: Volatile Org Cpds Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	2.1186	0.0066	0.0182	0	0.0067	0	0.009	0	0.0197	0.0197	2.1229	0.3304	0.0233	0	0.0312	1.9567	0.1617	0.0233	0	0.0262	0	0	0.0191	0	0.0191	0	0	0.0713	0	0.0713	0	0
50	1.2457	0.0049	0.0114	0	0.005	0	0.0068	0	0.0131	0.0131	1.2482	0.1671	0.0147	0	0.0188	1.1489	0.0715	0.0147	0	0.0159	0	0	0.0095	0	0.0095	0	0	0.0436	0	0.0436	0	0
70	1.0404	0.0051	0.0086	0	0.0051	0	0.007	0	0.0103	0.0103	1.0425	0.1216	0.0112	0	0.0142	0.959	0.0507	0.0112	0	0.012	0	0	0.0091	0	0.0091	0	0	0.0341	0	0.0341	0	0

Pollutant Name: Carbon Monoxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	35.4466	0.3703	0.2099	0	0.369	0	0.6767	0	2.3264	2.3257	35.4466	11.7696	0.3996	0	0.6652	29.8759	9.3443	0.3997	0	0.5861	0	0	0.4131	0	0.4131	0	0	0.9465	0	0.9465	0	0
50	23.9713	0.3149	0.1498	0	0.3134	0	0.5782	0	1.6407	1.6402	23.9713	9.2427	0.2193	0	0.4273	20.2041	7.4437	0.2193	0	0.3699	0	0	0.3308	0	0.3308	0	0	0.758	0	0.758	0	0
70	23.4983	0.3175	0.1387	0	0.3159	0	0.5831	0	1.6531	1.6526	23.4983	7.6739	0.1707	0	0.3461	19.8054	6.1609	0.1708	0	0.2956	0	0	0.3328	0	0.3328	0	0	0.7531	0	0.7531	0	0

Pollutant Name: Oxides of Nitrogen Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	3.1264	0.0116	0.0368	0	0.0118	0	0.0355	0	0.3817	0.3815	3.1305	0.1367	0.7487	0	0.7373	2.9199	0.0379	0.7514	0	0.7365	0	0	0.672	0	0.672	0	0	1.0655	0	1.0655	0	0
50	3.3339	0.0084	0.0313	0	0.0086	0	0.0258	0	0.2663	0.2662	3.3383	0.1162	0.3513	0	0.3483	3.1137	0.0287	0.3541	0	0.3473	0	0	0.4121	0	0.4121	0	0	0.6468	0	0.6468	0	0
70	3.8342	0.0068	0.0326	0	0.007	0	0.0214	0	0.2301	0.23	3.8393	0.1191	0.2481	0	0.2478	3.5809	0.0328	0.2509	0	0.2464	0	0	0.3255	0	0.3255	0	0	0.5506	0	0.5506	0	0

Pollutant Name: Carbon Dioxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	302.7447	302.7447	220.3932	0	301.9344	0	302.7447	0	280.5944	280.6035	302.7446	559.7758	345.4398	0	349.9626	325.9365	606.5782	345.4398	0	350.8789	0	0	469.8001	0	469.8001	0	0	539.3705	0	539.3705	0	0
50	197.8031	197.8031	189.5453	0	197.7218	0	197.8031	0	200.8558	200.8545	197.8031	365.7385	270.8081	0	272.7741	212.9559	396.3176	270.8081	0	273.4221	0	0	395.4805	0	395.4805	0	0	445.2851	0	445.2851	0	0
70	170.9969	170.9969	199.2649	0	171.275	0	170.9969	0	196.3645	196.354	170.9969	316.1737	266.3858	0	267.3777	184.0962	342.6089	266.3858	0	267.9732	0	0	385.0659	0	385.0659	0	0	419.2383	0	419.2383	0	0

Pollutant Name: PM10 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0.0538	0.0042	0.003	0	0.0042	0	0.0042	0	0	0	0.0538	0.0083	0.0102	0	0.0102	0.0538	0.0074	0.0106	0	0.0105	0	0	0.0252	0	0.0252	0	0	0.0357	0	0.0357	0	0
50	0.0322	0.0021	0.002	0	0.0021	0	0.0021	0	0	0	0.0322	0.0042	0.0065	0	0.0064	0.0322	0.0036	0.0067	0	0.0066	0	0	0.0206	0	0.0206	0	0	0.0262	0	0.0262	0	0
70	0.0272	0.0016	0.0017	0	0.0016	0	0.0015	0	0	0	0.0272	0.0031	0.0049	0	0.0049	0.0272	0.0027	0.0051	0	0.005	0	0	0.0205	0	0.0205	0	0	0.023	0	0.023	0	0

Pollutant Name: PM2.5 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0.0407	0.0039	0.0027	0	0.0039	0	0.0039	0	0	0	0.0407	0.0077	0.0094	0	0.0094	0.0407	0.0068	0.0098	0	0.0097	0	0	0.0232	0	0.0232	0	0	0.0328	0	0.0328	0	0
50	0.0244	0.0019	0.0018	0	0.0019	0	0.0019	0	0	0	0.0244	0.0039	0.0059	0	0.0059	0.0244	0.0034	0.0062	0	0.0061	0	0	0.019	0	0.019	0	0	0.0241	0	0.0241	0	0
70	0.0205	0.0014	0.0016	0	0.0014	0	0.0014	0	0	0	0.0205	0.0029	0.0045	0	0.0045	0.0205	0.0025	0.0047	0	0.0046	0	0	0.0189	0	0.0189	0	0	0.0212	0	0.0212	0	0

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.0349	0	0.0349	0	0	0.083	0.9082	0.2367	0	0.0977	0.0404	0	0.0589	0	1.3457	0.0368	0.8113	0.084	0	0	0.1103	0	0.1103	0	0	0.1935	0	0.1935	0	0	0.0404	0	0.0404
0.023	0	0.023	0	0	0.0508	0.6512	0.1627	0	0.043	0.0255	0	0.0311	0	1.0523	0.0225	0.5583	0.0552	0	0	0.0676	0	0.0676	0	0	0.1185	0	0.1185	0	0	0.0271	0	0.0271
0.0195	0	0.0195	0	0	0.0369	0.5788	0.1378	0	0.0299	0.0193	0	0.0228	0	0.9131	0.0163	0.4481	0.0427	0	0	0.0528	0	0.0528	0	0	0.0927	0	0.0927	0	0	0.0231	0	0.0231

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.7166	0	0.7166	0	0	1.3826	28.4281	6.421	0	6.1639	0.3744	0	2.2457	0	25.4762	0.4897	23.0772	1.8634	0	0	0.9059	0	0.9059	0	0	1.7797	0	1.7797	0	0	1.5509	0	1.5509
0.4929	0	0.4929	0	0	1.1073	21.1625	4.8434	0	4.9105	0.2054	0	1.7262	0	19.3029	0.3922	18.5438	1.4958	0	0	0.7255	0	0.7255	0	0	1.4253	0	1.4253	0	0	1.013	0	1.013
0.4266	0	0.4266	0	0	1.1139	18.1075	4.2796	0	4.0642	0.1599	0	1.4219	0	19.3029	0.3945	18.5438	1.4979	0	0	0.7207	0	0.7207	0	0	1.416	0	1.416	0	0	0.8358	0	0.8358

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
1.3642	0	1.3642	0	0	0.5001	0.9105	0.5765	0	0.0585	0.6446	0	0.4552	0	0.3745	0.4856	0.6396	0.4949	0	0	0.7564	0	0.7564	0	0	1.0089	0	1.0089	0	0	1.3723	0	1.3723
0.7113	0	0.7113	0	0	0.3429	0.6939	0.4083	0	0.0472	0.2857	0	0.2086	0	0.3224	0.3329	0.4874	0.3423	0	0	0.5186	0	0.5186	0	0	0.5624	0	0.5624	0	0	0.6684	0	0.6684
0.55	0	0.55	0	0	0.3045	0.683	0.375	0	0.043	0.1926	0	0.1442	0	0.296	0.2957	0.4798	0.3068	0	0	0.4605	0	0.4605	0	0	0.4625	0	0.4625	0	0	0.4931	0	0.4931

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
1090.46	0	1090.46	0	0	540.236	542.1528	540.593	0	606.5782	299.79	0	398.9506	0	646.5884	540.236	542.1529	540.3873	0	0	584.607	0	584.607	0	0	718.4748	0	718.4748	0	0	1115.719	0	1115.719
879.4023	0	879.4023	0	0	446.8797	388.0851	435.9268	0	396.3177	299.79	0	330.9899	0	462.8423	446.8797	388.0851	443.3307	0	0	466.3725	0	466.3725	0	0	547.028	0	547.028	0	0	835.0731	0	835.0731
821.8857	0	821.8857	0	0	441.1815	349.3582	424.0757	0	342.6088	299.79	0	313.63	0	416.6556	441.1815	349.3583	435.6224	0	0	451.6214	0	451.6214	0	0	502.0864	0	502.0865	0	0	762.3555	0	762.3555

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.0758	0	0.0758	0	0	0.045	0	0.0366	0	0.0081	0.0163	0	0.0137	0	0.006	0.0283	0	0.0266	0	0	0.0421	0	0.0421	0	0	0.036	0	0.036	0	0	0.0729	0	0.0729
0.0529	0	0.0529	0	0	0.0311	0	0.0253	0	0.004	0.0103	0	0.0083	0	0.0042	0.0203	0	0.0191	0	0	0.03	0	0.03	0	0	0.028	0	0.028	0	0	0.0512	0	0.0512
0.051	0	0.051	0	0	0.0291	0	0.0237	0	0.003	0.0078	0	0.0063	0	0.0036	0.0188	0	0.0176	0	0	0.028	0	0.028	0	0	0.0246	0	0.0246	0	0	0.0477	0	0.0477

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.0697	0	0.0697	0	0	0.0414	0	0.0337	0	0.0076	0.015	0	0.0126	0	0.0055	0.0261	0	0.0245	0	0	0.0387	0	0.0387	0	0	0.0332	0	0.0332	0	0	0.0671	0	0.0671
0.0487	0	0.0487	0	0	0.0286	0	0.0233	0	0.0037	0.0095	0	0.0076	0	0.0039	0.0187	0	0.0175	0	0	0.0276	0	0.0276	0	0	0.0258	0	0.0258	0	0	0.0471	0	0.0471
0.0469	0	0.0469	0	0	0.0268	0	0.0218	0	0.0028	0.0072	0	0.0058	0	0.0034	0.0173	0	0.0162	0	0	0.0258	0	0.0258	0	0	0.0226	0	0.0226	0	0	0.0439	0	0.0439

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0551	0	0.0551	0	0	0.0938	0	0.0938	3.7084	0.3606	0	0	0.4334	3.6983	0.0254	0.0455	0.0457	0.0375
0	0	0.0389	0	0.0389	0	0	0.0597	0	0.0597	2.1968	0.1611	0	0	0.2053	2.1908	0.0132	0.0283	0.0317	0.0226
0	0	0.0346	0	0.0346	0	0	0.0511	0	0.0511	1.8411	0.1143	0	0	0.1518	1.8359	0.0109	0.0229	0.0268	0.0186

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	1.0899	0	1.0899	0	0	2.7144	0	2.7144	27.9533	1.6952	0	0	2.2661	27.9985	0.4761	0.8666	3.0833	1.1006
0	0	0.8729	0	0.8729	0	0	1.8403	0	1.8403	18.9039	1.3505	0	0	1.7321	18.9344	0.398	0.6107	2.2097	0.8135
0	0	0.8672	0	0.8672	0	0	1.6292	0	1.6292	18.5309	1.1177	0	0	1.4963	18.5608	0.3832	0.5583	2.1383	0.7763

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.871	0	0.871	0	0	3.3019	0	3.3019	0.5191	0.1356	0	0	0.144	0.5356	0.0181	1.1153	0.3967	0.4284
0	0	0.4772	0	0.4772	0	0	2.0449	0	2.0449	0.5882	0.1093	0	0	0.1197	0.6056	0.0137	0.627	0.2785	0.2531
0	0	0.3805	0	0.3805	0	0	2.0115	0	2.0115	0.6532	0.0997	0	0	0.1117	0.6733	0.0117	0.5277	0.243	0.2148

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	1138.124	0	1138.124	0	0	1478.527	0	1478.527	125.7708	171.7558	0	0	170.7559	126.9042	297.3744	694.6263	288.293	418.3643
0	0	916.3777	0	916.3776	0	0	1077.746	0	1077.746	85.8792	112.2194	0	0	111.6467	86.5962	194.2945	549.5878	206.3666	306.3101
0	0	842.5355	0	842.5354	0	0	934.0663	0	934.0663	67.1093	97.0115	0	0	96.3613	67.7744	167.9638	515.4304	200.8676	281.4629

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0497	0	0.0497	0	0	0.2141	0	0.2141	0.0474	0.0042	0	0	0.0051	0.0474	0.0042	0.0531	0	0.0186
0	0	0.0368	0	0.0368	0	0	0.1595	0	0.1595	0.0284	0.0021	0	0	0.0026	0.0284	0.0021	0.0384	0	0.0129
0	0	0.0358	0	0.0358	0	0	0.1586	0	0.1586	0.0239	0.0015	0	0	0.002	0.0239	0.0016	0.0368	0	0.0122

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0457	0	0.0457	0	0	0.197	0	0.197	0.0358	0.0039	0	0	0.0046	0.0358	0.0039	0.0488	0	0.0171
0	0	0.0339	0	0.0339	0	0	0.1467	0	0.1467	0.0214	0.0019	0	0	0.0024	0.0215	0.0019	0.0353	0	0.0119
0	0	0.033	0	0.033	0	0	0.1459	0	0.1459	0.0181	0.0014	0	0	0.0018	0.0181	0.0014	0.0339	0	0.0112

Title : Kam Tin Rd 2035 EF
 Version : Emfac-HK V4.1 V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1
 Run Date : 2019/09/03 09:50:23
 Scen Year: 2035 -- All model years in the range 1991 to 2035 selected
 Season : Annual
 Area : Hong Kong

 Year: 2035 -- Model Years 1991 to 2035 Inclusive -- Annual
 Emfac-HK V4.1 Emission Factors: V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1

SAR Average Hong Kong SAR Average

Table 1: Running Exhaust Emissions (grams/km)

Pollutant Name: Volatile Org Cpds Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	2.1209	0.0065	0.0087	0	0.0065	0	0.009	0	0.0182	0.0182	2.1229	0.2012	0.0221	0	0.0255	1.9567	0.1336	0.022	0	0.0242	0	0	0.0165	0	0.0165	0	0	0.044	0	0.044	0	0
50	1.2471	0.0049	0.0054	0	0.0049	0	0.0068	0	0.0121	0.0121	1.2482	0.0948	0.0139	0	0.0155	1.1489	0.0588	0.0139	0	0.0148	0	0	0.0082	0	0.0082	0	0	0.0269	0	0.0269	0	0
70	1.0416	0.0051	0.0041	0	0.0051	0	0.007	0	0.0096	0.0096	1.0425	0.0683	0.0106	0	0.0117	0.959	0.0419	0.0106	0	0.0112	0	0	0.0078	0	0.0078	0	0	0.0211	0	0.0211	0	0

Pollutant Name: Carbon Monoxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	35.4466	0.3676	0.184	0	0.3659	0	0.6767	0	2.138	2.1374	35.4466	9.6482	0.3978	0	0.5713	29.8759	7.9535	0.3978	0	0.5414	0	0	0.4052	0	0.4052	0	0	0.9107	0	0.9107	0	0
50	23.9713	0.3139	0.1455	0	0.3123	0	0.5783	0	1.5078	1.5075	23.9713	7.6472	0.2183	0	0.3575	20.2041	6.3361	0.2183	0	0.3346	0	0	0.3245	0	0.3245	0	0	0.7294	0	0.7294	0	0
70	23.4983	0.3165	0.1417	0	0.3149	0	0.5832	0	1.5192	1.5189	23.4983	6.3363	0.17	0	0.2856	19.8054	5.2441	0.1699	0	0.2664	0	0	0.3264	0	0.3264	0	0	0.7246	0	0.7246	0	0

Pollutant Name: Oxides of Nitrogen Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	3.1285	0.0098	0.0205	0	0.0099	0	0.0271	0	0.3283	0.3282	3.1305	0.0616	0.687	0	0.6755	2.9199	0.0306	0.6845	0	0.6721	0	0	0.3562	0	0.3562	0	0	0.5906	0	0.5906	0	0
50	3.3362	0.007	0.018	0	0.0071	0	0.0194	0	0.2284	0.2283	3.3383	0.05	0.2882	0	0.284	3.1137	0.0228	0.2857	0	0.2807	0	0	0.1508	0	0.1508	0	0	0.261	0	0.261	0	0
70	3.8368	0.0053	0.0182	0	0.0054	0	0.0148	0	0.197	0.1969	3.8393	0.0545	0.1847	0	0.1825	3.5809	0.0274	0.1822	0	0.1792	0	0	0.0969	0	0.0969	0	0	0.1904	0	0.1904	0	0

Pollutant Name: Carbon Dioxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	302.7447	302.7447	221.5588	0	301.9854	0	302.7447	0	280.5944	280.6022	302.7447	562.3519	345.4398	0	349.4709	325.9366	606.5782	345.4398	0	350.4038	0	0	469.8003	0	469.8003	0	0	539.3705	0	539.3705	0	0
50	197.8031	197.8031	184.1475	0	197.6754	0	197.8031	0	200.8557	200.8546	197.8031	367.4217	270.8081	0	272.6012	212.9559	396.3176	270.8081	0	273.1939	0	0	395.4805	0	395.4805	0	0	445.2851	0	445.2851	0	0
70	170.9969	170.9969	195.9351	0	171.2301	0	170.9969	0	196.3644	196.3554	170.9969	317.6289	266.3858	0	267.3344	184.0962	342.6088	266.3858	0	267.8347	0	0	385.0659	0	385.0659	0	0	419.2382	0	419.2382	0	0

Pollutant Name: PM10 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0.0538	0.0042	0.0025	0	0.0042	0	0.0042	0	0	0	0.0538	0.005	0.0093	0	0.0092	0.0538	0.0044	0.0091	0	0.009	0	0	0.0125	0	0.0125	0	0	0.0276	0	0.0276	0	0
50	0.0322	0.0021	0.0017	0	0.0021	0	0.0021	0	0	0	0.0322	0.0025	0.0058	0	0.0058	0.0322	0.0022	0.0057	0	0.0057	0	0	0.0101	0	0.0101	0	0	0.0217	0	0.0217	0	0
70	0.0272	0.0015	0.0017	0	0.0016	0	0.0015	0	0	0	0.0272	0.0019	0.0044	0	0.0044	0.0272	0.0016	0.0044	0	0.0043	0	0	0.01	0	0.01	0	0	0.0191	0	0.0191	0	0

Pollutant Name: PM2.5 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0.0407	0.0039	0.0023	0	0.0039	0	0.0039	0	0	0	0.0407	0.0046	0.0085	0	0.0084	0.0407	0.0041	0.0084	0	0.0083	0	0	0.0115	0	0.0115	0	0	0.0254	0	0.0254	0	0
50	0.0244	0.0019	0.0016	0	0.0019	0	0.0019	0	0	0	0.0244	0.0023	0.0054	0	0.0053	0.0244	0.002	0.0053	0	0.0052	0	0	0.0093	0	0.0093	0	0	0.02	0	0.02	0	0
70	0.0205	0.0014	0.0015	0	0.0014	0	0.0014	0	0	0	0.0205	0.0017	0.0041	0	0.004	0.0205	0.0015	0.004	0	0.004	0	0	0.0092	0	0.0092	0	0	0.0176	0	0.0176	0	0

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.0255	0	0.0255	0	0	0.0478	1.0831	0.1032	0	0.0841	0.0394	0	0.0533	0	1.3898	0.0285	0.8183	0.0509	0	0	0.0818	0	0.0818	0	0	0.1544	0	0.1544	0	0	0.0392	0	0.0392
0.0169	0	0.0169	0	0	0.0293	0.7789	0.0694	0	0.0371	0.0249	0	0.0287	0	1.0874	0.0174	0.5634	0.033	0	0	0.0501	0	0.0501	0	0	0.0946	0	0.0946	0	0	0.0261	0	0.0261
0.0144	0	0.0144	0	0	0.0212	0.6931	0.0572	0	0.0258	0.0189	0	0.021	0	0.9438	0.0127	0.4524	0.0252	0	0	0.0392	0	0.0392	0	0	0.074	0	0.074	0	0	0.0222	0	0.0222

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.6713	0	0.6713	0	0	1.3794	29.9489	2.9079	0	5.4457	0.3744	0	1.9449	0	31.203	0.5155	26.6851	1.256	0	0	0.9074	0	0.9074	0	0	1.7489	0	1.7489	0	0	1.3291	0	1.3291
0.4618	0	0.4618	0	0	1.1047	22.2946	2.2384	0	4.3383	0.2054	0	1.4854	0	23.8948	0.4128	21.449	1.0079	0	0	0.7267	0	0.7267	0	0	1.4007	0	1.4007	0	0	0.854	0	0.854
0.3996	0	0.3996	0	0	1.1112	19.0761	2.0724	0	3.5906	0.1599	0	1.2224	0	23.8948	0.4153	21.449	1.0103	0	0	0.7219	0	0.7219	0	0	1.3915	0	1.3915	0	0	0.6991	0	0.6991

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.8766	0	0.8766	0	0	0.3078	0.9637	0.3429	0	0.0406	0.6073	0	0.4318	0	0.3808	0.4012	0.7238	0.4103	0	0	0.4837	0	0.4837	0	0	0.6415	0	0.6415	0	0	0.9773	0	0.9773
0.3581	0	0.3581	0	0	0.2111	0.7345	0.2391	0	0.0327	0.2497	0	0.1825	0	0.3282	0.2751	0.5516	0.2829	0	0	0.3317	0	0.3317	0	0	0.2671	0	0.2671	0	0	0.3896	0	0.3896
0.2271	0	0.2271	0	0	0.1874	0.723	0.2161	0	0.0299	0.1569	0	0.1175	0	0.3015	0.2443	0.543	0.2527	0	0	0.2945	0	0.2945	0	0	0.1875	0	0.1875	0	0	0.2409	0	0.2409

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
1090.46	0	1090.46	0	0	540.236	542.1529	540.3386	0	606.5782	299.79	0	394.7997	0	646.5884	540.236	542.1527	540.3062	0	0	584.607	0	584.607	0	0	718.4749	0	718.4749	0	0	1115.719	0	1115.719
879.4023	0	879.4023	0	0	446.8797	388.0851	443.7341	0	396.3176	299.79	0	329.6838	0	462.8423	446.8797	388.0851	445.229	0	0	466.3725	0	466.3725	0	0	547.0279	0	547.0279	0	0	835.0731	0	835.0731
821.8856	0	821.8856	0	0	441.1815	349.3582	436.2688	0	342.6088	299.79	0	313.0506	0	416.6556	441.1815	349.3582	438.5959	0	0	451.6215	0	451.6215	0	0	502.0864	0	502.0864	0	0	762.3555	0	762.3555

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.036	0	0.036	0	0	0.0396	0	0.0375	0	0.0056	0.016	0	0.0128	0	0.006	0.0245	0	0.0238	0	0	0.0358	0	0.0358	0	0	0.0312	0	0.0312	0	0	0.051	0	0.051
0.0254	0	0.0254	0	0	0.0295	0	0.0279	0	0.0028	0.0101	0	0.0078	0	0.0042	0.0182	0	0.0177	0	0	0.0267	0	0.0267	0	0	0.0247	0	0.0247	0	0	0.036	0	0.036
0.0228	0	0.0228	0	0	0.027	0	0.0255	0	0.0021	0.0077	0	0.0059	0	0.0037	0.0166	0	0.0161	0	0	0.0246	0	0.0246	0	0	0.0218	0	0.0218	0	0	0.0321	0	0.0321

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL
0.0331	0	0.0331	0	0	0.0365	0	0.0345	0	0.0052	0.0148	0	0.0118	0	0.0056	0.0225	0	0.0219	0	0	0.0329	0	0.0329	0	0	0.0287	0	0.0287	0	0	0.0469	0	0.0469
0.0233	0	0.0233	0	0	0.0272	0	0.0257	0	0.0026	0.0093	0	0.0072	0	0.0039	0.0167	0	0.0163	0	0	0.0245	0	0.0245	0	0	0.0228	0	0.0228	0	0	0.0331	0	0.0331
0.021	0	0.021	0	0	0.0248	0	0.0235	0	0.0019	0.0071	0	0.0055	0	0.0034	0.0153	0	0.0149	0	0	0.0226	0	0.0226	0	0	0.0201	0	0.0201	0	0	0.0295	0	0.0295

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0532	0	0.0532	0	0	0.0866	0	0.0866	3.7068	0.3339	0	0	0.3638	3.7052	0.0239	0.0359	0.0275	0.0292
0	0	0.0385	0	0.0385	0	0	0.0538	0	0.0538	2.1958	0.1483	0	0	0.1665	2.1949	0.0125	0.0222	0.0188	0.0172
0	0	0.0347	0	0.0347	0	0	0.0448	0	0.0448	1.8402	0.105	0	0	0.1204	1.8394	0.0104	0.0179	0.0155	0.0141

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.8132	0	0.8132	0	0	1.3637	0	1.3637	27.9394	1.547	0	0	1.7808	27.9456	0.4574	0.7271	2.3846	0.8925
0	0	0.6512	0	0.6512	0	0	0.8606	0	0.8606	18.8945	1.2324	0	0	1.3889	18.8987	0.3842	0.5109	1.6937	0.6621
0	0	0.647	0	0.647	0	0	0.7448	0	0.7448	18.5216	1.02	0	0	1.1751	18.5258	0.3716	0.4694	1.6792	0.6401

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.4934	0	0.4934	0	0	0.8819	0	0.8819	0.5186	0.1227	0	0	0.1262	0.5211	0.0157	0.6414	0.3338	0.2681
0	0	0.1948	0	0.1948	0	0	0.5422	0	0.5422	0.5876	0.0988	0	0	0.1032	0.5903	0.0118	0.2951	0.2328	0.1399
0	0	0.1193	0	0.1193	0	0	0.4711	0	0.4711	0.6525	0.0901	0	0	0.0951	0.6556	0.0098	0.2093	0.2016	0.1065

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	1138.124	0	1138.124	0	0	1478.527	0	1478.527	125.7893	171.7557	0	0	171.3485	125.971	297.1876	695.41	282.9439	419.0131
0	0	916.3778	0	916.3778	0	0	1077.745	0	1077.745	85.8918	112.2194	0	0	111.9861	86.0069	194.1723	550.1418	202.5376	306.8518
0	0	842.5355	0	842.5354	0	0	934.0663	0	934.0663	67.1191	97.0115	0	0	96.7466	67.2257	167.8582	515.9764	197.7388	281.9309

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0134	0	0.0134	0	0	0.0378	0	0.0378	0.0474	0.0042	0	0	0.0046	0.0474	0.0042	0.0242	0	0.0097
0	0	0.0097	0	0.0097	0	0	0.0278	0	0.0278	0.0284	0.0021	0	0	0.0023	0.0284	0.0021	0.0176	0	0.0066
0	0	0.0084	0	0.0084	0	0	0.0259	0	0.0259	0.0239	0.0015	0	0	0.0017	0.0239	0.0015	0.0158	0	0.0057

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0123	0	0.0123	0	0	0.0348	0	0.0348	0.0358	0.0039	0	0	0.0042	0.0358	0.0039	0.0223	0	0.0089
0	0	0.0089	0	0.0089	0	0	0.0256	0	0.0256	0.0214	0.0019	0	0	0.0021	0.0214	0.0019	0.0162	0	0.006
0	0	0.0077	0	0.0077	0	0	0.0238	0	0.0238	0.0181	0.0014	0	0	0.0016	0.0181	0.0014	0.0145	0	0.0053

Title : Kam Tin Rd 2040 EF
 Version : Emfac-HK V4.1 V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1
 Run Date : 2019/09/03 10:02:27
 Scen Year: 2040 -- All model years in the range 1996 to 2040 selected
 Season : Annual
 Area : Hong Kong

 Year: 2040 -- Model Years 1996 to 2040 Inclusive -- Annual
 Emfac-HK V4.1 Emission Factors: V4.1.0 20181210 Sp: V4.1 Release Version Pr: Emfac-HK HK4.1

SAR Average Hong Kong SAR Average

Table 1: Running Exhaust Emissions (grams/km)

Pollutant Name: Volatile Org Cpds Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0	0.0065	0.0071	0	0.0065	0	0.009	0	0.0188	0.0188	0	0.1487	0.022	0	0.0243	0	0.1319	0.0219	0	0.024	0	0	0.0164	0	0.0164	0	0	0.0418	0	0.0418	0	0
50	0	0.0049	0.0044	0	0.0049	0	0.0068	0	0.0125	0.0125	0	0.0662	0.0139	0	0.0148	0	0.0581	0.0138	0	0.0147	0	0	0.0082	0	0.0082	0	0	0.0256	0	0.0256	0	0
70	0	0.005	0.0033	0	0.005	0	0.007	0	0.0099	0.0099	0	0.0471	0.0105	0	0.0112	0	0.0413	0.0105	0	0.0111	0	0	0.0078	0	0.0078	0	0	0.02	0	0.02	0	0

Pollutant Name: Carbon Monoxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0	0.3656	0.1824	0	0.364	0	0.678	0	2.3072	2.3066	0	8.3041	0.3976	0	0.5469	0	7.4007	0.3976	0	0.5295	0	0	0.4109	0	0.4109	0	0	0.9175	0	0.9175	0	0
50	0	0.3124	0.1478	0	0.311	0	0.5794	0	1.6272	1.6268	0	6.6131	0.2182	0	0.3389	0	5.8958	0.2182	0	0.3251	0	0	0.3291	0	0.3291	0	0	0.7348	0	0.7348	0	0
70	0	0.315	0.1455	0	0.3136	0	0.5843	0	1.6395	1.6391	0	5.4735	0.1699	0	0.27	0	4.8797	0.1699	0	0.2585	0	0	0.3311	0	0.3311	0	0	0.73	0	0.73	0	0

Pollutant Name: Oxides of Nitrogen Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0	0.0094	0.018	0	0.0095	0	0.0261	0	0.3464	0.3463	0	0.0323	0.6798	0	0.6676	0	0.0283	0.6792	0	0.6669	0	0	0.3537	0	0.3537	0	0	0.556	0	0.556	0	0
50	0	0.0067	0.016	0	0.0068	0	0.0185	0	0.2409	0.2409	0	0.0241	0.2809	0	0.276	0	0.021	0.2803	0	0.2754	0	0	0.1462	0	0.1462	0	0	0.2326	0	0.2326	0	0
70	0	0.0051	0.016	0	0.0051	0	0.014	0	0.2078	0.2077	0	0.029	0.1773	0	0.1745	0	0.0257	0.1767	0	0.1739	0	0	0.0922	0	0.0922	0	0	0.1637	0	0.1637	0	0

Pollutant Name: Carbon Dioxide Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0	302.7447	221.8106	0	302.0355	0	302.7447	0	280.5945	280.6022	0	563.4174	345.4398	0	349.5548	0	606.5782	345.4398	0	350.3565	0	0	469.8003	0	469.8003	0	0	539.3706	0	539.3706	0	0
50	0	197.8031	182.9895	0	197.6733	0	197.8031	0	200.8558	200.8547	0	368.1178	270.8081	0	272.6451	0	396.3176	270.8081	0	273.1712	0	0	395.4804	0	395.4804	0	0	445.2852	0	445.2852	0	0
70	0	170.9969	195.2212	0	171.2092	0	170.9969	0	196.3645	196.3557	0	318.2306	266.3858	0	267.3645	0	342.6088	266.3858	0	267.821	0	0	385.0659	0	385.0659	0	0	419.2383	0	419.2383	0	0

Pollutant Name: PM10 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0	0.0042	0.0026	0	0.0042	0	0.0042	0	0	0	0	0.0034	0.0088	0	0.0087	0	0.0034	0.0089	0	0.0088	0	0	0.0136	0	0.0136	0	0	0.0268	0	0.0268	0	0
50	0	0.0021	0.0018	0	0.0021	0	0.0021	0	0	0	0	0.0017	0.0056	0	0.0055	0	0.0017	0.0056	0	0.0055	0	0	0.011	0	0.011	0	0	0.0212	0	0.0212	0	0
70	0	0.0015	0.0018	0	0.0016	0	0.0015	0	0	0	0	0.0012	0.0042	0	0.0042	0	0.0013	0.0043	0	0.0042	0	0	0.0109	0	0.0109	0	0	0.0187	0	0.0187	0	0

Pollutant Name: PM2.5 Temperature: 25C Relative Humidity: 70%

Speed km/hr	PC NCAT	PC CAT	PC DSL	PC LPG	PC ALL	TAXI NCAT	TAXI CAT	TAXI DSL	TAXI LPG	TAXI ALL	LGV3 NCAT	LGV3 CAT	LGV3 DSL	LGV3 LPG	LGV3 ALL	LGV4 NCAT	LGV4 CAT	LGV4 DSL	LGV4 LPG	LGV4 ALL	LGV6 NCAT	LGV6 CAT	LGV6 DSL	LGV6 LPG	LGV6 ALL	HGV7 NCAT	HGV7 CAT	HGV7 DSL	HGV7 LPG	HGV7 ALL	HGV8 NCAT	HGV8 CAT
28	0	0.0039	0.0024	0	0.0039	0	0.0039	0	0	0	0	0.0031	0.0081	0	0.008	0	0.0032	0.0082	0	0.0081	0	0	0.0125	0	0.0125	0	0	0.0247	0	0.0247	0	0
50	0	0.0019	0.0016	0	0.0019	0	0.0019	0	0	0	0	0.0015	0.0051	0	0.0051	0	0.0016	0.0052	0	0.0051	0	0	0.0101	0	0.0101	0	0	0.0195	0	0.0195	0	0
70	0	0.0014	0.0016	0	0.0014	0	0.0014	0	0	0	0	0.0012	0.0039	0	0.0038	0	0.0012	0.0039	0	0.0039	0	0	0.01	0	0.01	0	0	0.0172	0	0.0172	0	0

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL	
0.0249	0	0.0249	0	0	0.0467	1.3487	0.0559	0	0.084	0.0394	0	0.0529	0	1.3384	0.0278	0.8262	0.0384	0	0	0.0819	0	0.0819	0	0	0	0.1537	0	0.1537	0	0	0.0392	0	0.0392
0.0165	0	0.0165	0	0	0.0286	0.973	0.0353	0	0.0369	0.0249	0	0.0285	0	1.0464	0.017	0.5691	0.0244	0	0	0.0501	0	0.0501	0	0	0	0.0941	0	0.0941	0	0	0.0261	0	0.0261
0.014	0	0.014	0	0	0.0207	0.867	0.0267	0	0.0257	0.0189	0	0.0209	0	0.9079	0.0123	0.4571	0.0183	0	0	0.0392	0	0.0392	0	0	0	0.0736	0	0.0736	0	0	0.0221	0	0.0221

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL	
0.6705	0	0.6705	0	0	1.3333	31.3183	1.5458	0	5.2392	0.3744	0	1.8463	0	32.1652	0.509	29.2078	0.889	0	0	0.9244	0	0.9244	0	0	0	1.7552	0	1.7552	0	0	1.3221	0	1.3221
0.4612	0	0.4612	0	0	1.0678	23.314	1.2255	0	4.1738	0.2054	0	1.4062	0	24.7286	0.4077	23.4752	0.713	0	0	0.7403	0	0.7403	0	0	0	1.4057	0	1.4057	0	0	0.849	0	0.849
0.3991	0	0.3991	0	0	1.0741	19.9484	1.2079	0	3.4545	0.1599	0	1.1568	0	24.7286	0.4101	23.4752	0.7154	0	0	0.7355	0	0.7355	0	0	0	1.3965	0	1.3965	0	0	0.6948	0	0.6948

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL	
0.8517	0	0.8517	0	0	0.308	1.0354	0.3132	0	0.0338	0.611	0	0.4363	0	0.3663	0.3965	0.7996	0.4018	0	0	0.484	0	0.484	0	0	0	0.6376	0	0.6376	0	0	0.9654	0	0.9654
0.3389	0	0.3389	0	0	0.2112	0.7891	0.2153	0	0.0272	0.2511	0	0.1834	0	0.3154	0.2718	0.6094	0.2763	0	0	0.3318	0	0.3318	0	0	0	0.2627	0	0.2627	0	0	0.382	0	0.382
0.2091	0	0.2091	0	0	0.1875	0.7767	0.1917	0	0.0248	0.1577	0	0.1175	0	0.2897	0.2414	0.5998	0.2461	0	0	0.2947	0	0.2947	0	0	0	0.1831	0	0.1831	0	0	0.2343	0	0.2343

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL	
1090.46	0	1090.46	0	0	540.236	542.1528	540.2496	0	606.5782	299.79	0	392.6155	0	646.5884	540.236	542.1529	540.2689	0	0	584.607	0	584.607	0	0	0	718.4749	0	718.4749	0	0	1115.719	0	1115.719
879.4023	0	879.4023	0	0	446.8798	388.0851	446.4631	0	396.3176	299.79	0	328.9965	0	462.8424	446.8797	388.0851	446.1071	0	0	466.3724	0	466.3724	0	0	0	547.028	0	547.028	0	0	835.0731	0	835.0731
821.8856	0	821.8856	0	0	441.1816	349.3583	440.5308	0	342.6087	299.79	0	312.7457	0	416.6555	441.1815	349.3582	439.9712	0	0	451.6215	0	451.6214	0	0	0	502.0865	0	502.0865	0	0	762.3557	0	762.3557

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL	
0.0329	0	0.0329	0	0	0.0346	0	0.0344	0	0.0045	0.0161	0	0.0126	0	0.0059	0.0242	0	0.0239	0	0	0.0365	0	0.0365	0	0	0	0.0318	0	0.0318	0	0	0.0494	0	0.0494
0.0232	0	0.0232	0	0	0.0258	0	0.0256	0	0.0022	0.0102	0	0.0078	0	0.0041	0.018	0	0.0178	0	0	0.0272	0	0.0272	0	0	0	0.0252	0	0.0252	0	0	0.0349	0	0.0349
0.0207	0	0.0207	0	0	0.0235	0	0.0234	0	0.0017	0.0077	0	0.0059	0	0.0036	0.0165	0	0.0162	0	0	0.0251	0	0.0251	0	0	0	0.0222	0	0.0222	0	0	0.031	0	0.031

HGV8 DSL	HGV8 LPG	HGV8 ALL	PLB NCAT	PLB CAT	PLB DSL	PLB LPG	PLB ALL	PV4 NCAT	PV4 CAT	PV4 DSL	PV4 LPG	PV4 ALL	PV5 NCAT	PV5 CAT	PV5 DSL	PV5 LPG	PV5 ALL	NFB6 NCAT	NFB6 CAT	NFB6 DSL	NFB6 LPG	NFB6 ALL	NFB7 NCAT	NFB7 CAT	NFB7 DSL	NFB7 LPG	NFB7 ALL	NFB8 NCAT	NFB8 CAT	NFB8 DSL	NFB8 LPG	NFB8 ALL	
0.0303	0	0.0303	0	0	0.0318	0	0.0316	0	0.0042	0.0148	0	0.0116	0	0.0055	0.0223	0	0.022	0	0	0.0336	0	0.0336	0	0	0	0.0292	0	0.0292	0	0	0.0455	0	0.0455
0.0214	0	0.0214	0	0	0.0237	0	0.0235	0	0.0021	0.0094	0	0.0072	0	0.0038	0.0166	0	0.0164	0	0	0.025	0	0.025	0	0	0	0.0232	0	0.0232	0	0	0.0321	0	0.0321
0.019	0	0.019	0	0	0.0217	0	0.0215	0	0.0015	0.0071	0	0.0054	0	0.0033	0.0151	0	0.0149	0	0	0.0231	0	0.0231	0	0	0	0.0204	0	0.0204	0	0	0.0286	0	0.0286

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0532	0	0.0532	0	0	0.0859	0	0.0859	3.6985	0.3228	0	0	0.3344	3.6985	0.0233	0.0352	0.0206	0.0269
0	0	0.0385	0	0.0385	0	0	0.0533	0	0.0533	2.1909	0.143	0	0	0.1501	2.1909	0.0122	0.0218	0.0138	0.0157
0	0	0.0347	0	0.0347	0	0	0.0442	0	0.0442	1.836	0.1012	0	0	0.1072	1.836	0.0102	0.0176	0.011	0.0128

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.8132	0	0.8132	0	0	1.2459	0	1.2459	27.8695	1.4859	0	0	1.5765	27.8695	0.4492	0.7143	2.3508	0.8606
0	0	0.6512	0	0.6512	0	0	0.7752	0	0.7752	18.8472	1.1837	0	0	1.2444	18.8472	0.3778	0.5019	1.6606	0.6385
0	0	0.647	0	0.647	0	0	0.6678	0	0.6678	18.4753	0.9797	0	0	1.0398	18.4753	0.366	0.4614	1.6693	0.6214

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.5158	0	0.5158	0	0	0.7175	0	0.7175	0.5157	0.1173	0	0	0.1187	0.5157	0.0151	0.6165	0.3474	0.2567
0	0	0.2037	0	0.2037	0	0	0.4397	0	0.4397	0.5844	0.0945	0	0	0.0962	0.5844	0.0113	0.2768	0.2417	0.1324
0	0	0.1247	0	0.1247	0	0	0.3604	0	0.3604	0.6489	0.0862	0	0	0.0881	0.6489	0.0093	0.1905	0.2086	0.0992

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	1138.124	0	1138.124	0	0	1478.527	0	1478.527	125.8818	171.7557	0	0	171.5981	125.8818	297.103	693.4574	280.9964	415.8171
0	0	916.3777	0	916.3778	0	0	1077.745	0	1077.745	85.955	112.2194	0	0	112.1291	85.955	194.1171	548.9048	201.1434	304.0788
0	0	842.5355	0	842.5355	0	0	934.0661	0	934.066	67.1685	97.0115	0	0	96.9089	67.1685	167.8104	515.1055	196.5995	279.2241

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0145	0	0.0145	0	0	0.021	0	0.021	0.0474	0.0042	0	0	0.0043	0.0474	0.0042	0.0217	0	0.0088
0	0	0.0105	0	0.0105	0	0	0.0153	0	0.0153	0.0284	0.0021	0	0	0.0022	0.0284	0.0021	0.0158	0	0.0059
0	0	0.0091	0	0.0091	0	0	0.0132	0	0.0132	0.0239	0.0015	0	0	0.0016	0.0239	0.0015	0.014	0	0.0051

FBSD NCAT	FBSD CAT	FBSD DSL	FBSD LPG	FBSD ALL	FBDD NCAT	FBDD CAT	FBDD DSL	FBDD LPG	FBDD ALL	MC NCAT	MC CAT	MC DSL	MC LPG	MC ALL	ALL NCAT	ALL CAT	ALL DSL	ALL LPG	ALL ALL
0	0	0.0133	0	0.0133	0	0	0.0193	0	0.0193	0.0358	0.0039	0	0	0.004	0.0358	0.0039	0.02	0	0.0082
0	0	0.0097	0	0.0097	0	0	0.014	0	0.014	0.0214	0.0019	0	0	0.002	0.0214	0.0019	0.0145	0	0.0055
0	0	0.0084	0	0.0084	0	0	0.0122	0	0.0122	0.0181	0.0014	0	0	0.0015	0.0181	0.0014	0.0129	0	0.0047