

Table 3.4 OFFROAD Equipment Emission Factors

Equipment Type	Year	Low HP	High HP	TOG	ROG	CO	NOX	SO2	PM10	PM2.5	CO2	CH4
Rubber Tired Loaders	2000	501	750	73.296	0.955	4.797	8.766	0.052	0.381	0.381	568.299	0.086
Rubber Tired Loaders	2000	751	1000	95.549	1.018	5.369	9.342	0.052	0.372	0.372	568.299	0.091
Rubber Tired Loaders	2005	16	25	2.273	0.849	2.519	5.321	0.065	0.333	0.333	568.299	0.076
Rubber Tired Loaders	2005	26	50	19.43	3.947	8.471	6.59	0.066	0.86	0.86	568.299	0.356
Rubber Tired Loaders	2005	51	120	14.973	1.608	4.379	8.954	0.06	0.841	0.841	568.3	0.145
Rubber Tired Loaders	2005	121	175	17.677	1.052	3.496	8.183	0.057	0.464	0.464	568.299	0.094
Rubber Tired Loaders	2005	176	250	18.23	0.774	2.143	7.781	0.057	0.31	0.31	568.3	0.069
Rubber Tired Loaders	2005	251	500	25.602	0.683	2.836	7.066	0.05	0.275	0.275	568.3	0.061
Rubber Tired Loaders	2005	501	750	53.332	0.695	2.831	7.236	0.052	0.278	0.278	568.299	0.062
Rubber Tired Loaders	2005	751	1000	74.257	0.791	3.279	8.232	0.052	0.275	0.275	568.299	0.071
Rubber Tired Loaders	2010	16	25	1.849	0.691	2.339	4.411	0.007	0.216	0.216	568.299	0.062
Rubber Tired Loaders	2010	26	50	14.008	2.845	7.306	6.08	0.007	0.659	0.659	568.299	0.256
Rubber Tired Loaders	2010	51	120	10.831	1.163	4.117	6.971	0.006	0.637	0.637	568.299	0.104
Rubber Tired Loaders	2010	121	175	13.253	0.788	3.381	6.154	0.006	0.355	0.355	568.299	0.071
Rubber Tired Loaders	2010	176	250	13.412	0.569	1.605	5.858	0.006	0.214	0.214	568.299	0.051
Rubber Tired Loaders	2010	251	500	19.51	0.52	1.833	5.199	0.005	0.196	0.196	568.299	0.047
Rubber Tired Loaders	2010	501	750	40.27	0.524	1.832	5.337	0.005	0.199	0.199	568.299	0.047
Rubber Tired Loaders	2010	751	1000	55.3	0.589	2.139	6.829	0.005	0.206	0.206	568.3	0.053
Rubber Tired Loaders	2011	16	25	1.841	0.688	2.339	4.372	0.007	0.193	0.193	568.299	0.062
Rubber Tired Loaders	2011	26	50	12.894	2.619	7.075	5.994	0.007	0.62	0.62	568.299	0.236
Rubber Tired Loaders	2011	51	120	10.092	1.084	4.076	6.577	0.006	0.6	0.6	568.299	0.097
Rubber Tired Loaders	2011	121	175	12.506	0.744	3.37	5.781	0.006	0.338	0.338	568.299	0.067
Rubber Tired Loaders	2011	176	250	12.645	0.537	1.53	5.42	0.006	0.194	0.194	568.299	0.048
Rubber Tired Loaders	2011	251	500	18.526	0.494	1.718	4.81	0.005	0.178	0.178	568.299	0.044
Rubber Tired Loaders	2011	501	750	38.211	0.498	1.717	4.94	0.005	0.181	0.181	568.299	0.044
Rubber Tired Loaders	2011	751	1000	52.113	0.555	1.998	6.432	0.005	0.194	0.194	568.3	0.05
Rubber Tired Loaders	2012	16	25	1.837	0.686	2.339	4.348	0.007	0.173	0.173	568.299	0.061
Rubber Tired Loaders	2012	26	50	11.809	2.399	6.852	5.915	0.007	0.581	0.581	568.299	0.216
Rubber Tired Loaders	2012	51	120	9.383	1.007	4.039	6.177	0.006	0.555	0.555	568.299	0.09
Rubber Tired Loaders	2012	121	175	11.788	0.701	3.361	5.417	0.006	0.311	0.311	568.3	0.063
Rubber Tired Loaders	2012	176	250	11.944	0.507	1.463	5.008	0.006	0.176	0.176	568.299	0.045
Rubber Tired Loaders	2012	251	500	17.611	0.47	1.619	4.449	0.005	0.162	0.162	568.299	0.042
Rubber Tired Loaders	2012	501	750	36.309	0.473	1.618	4.569	0.005	0.164	0.164	568.299	0.042
Rubber Tired Loaders	2012	751	1000	49.222	0.524	1.873	6.058	0.005	0.182	0.182	568.299	0.047
Rubber Tired Loaders	2013	16	25	1.834	0.685	2.339	4.335	0.007	0.168	0.168	568.299	0.061
Rubber Tired Loaders	2013	26	50	10.775	2.188	6.643	5.688	0.007	0.533	0.533	568.299	0.197
Rubber Tired Loaders	2013	51	120	8.718	0.936	4.005	5.803	0.006	0.506	0.506	568.299	0.084
Rubber Tired Loaders	2013	121	175	11.117	0.661	3.353	5.079	0.006	0.286	0.286	568.299	0.059
Rubber Tired Loaders	2013	176	250	11.303	0.48	1.405	4.625	0.006	0.159	0.159	568.299	0.043
Rubber Tired Loaders	2013	251	500	16.768	0.447	1.533	4.114	0.005	0.147	0.147	568.299	0.04
Rubber Tired Loaders	2013	501	750	34.56	0.45	1.533	4.226	0.005	0.149	0.149	568.299	0.04
Rubber Tired Loaders	2013	751	1000	46.604	0.496	1.762	5.705	0.005	0.171	0.171	568.299	0.044
Rubber Tired Loaders	2014	16	25	1.834	0.685	2.339	4.332	0.007	0.164	0.164	568.299	0.061
Rubber Tired Loaders	2014	26	50	9.809	1.992	6.449	5.473	0.007	0.486	0.486	568.3	0.179
Rubber Tired Loaders	2014	51	120	8.099	0.869	3.973	5.454	0.006	0.459	0.459	568.3	0.078
Rubber Tired Loaders	2014	121	175	10.494	0.624	3.346	4.766	0.006	0.261	0.261	568.299	0.056
Rubber Tired Loaders	2014	176	250	10.651	0.452	1.355	4.183	0.006	0.143	0.143	568.299	0.04
Rubber Tired Loaders	2014	251	500	15.891	0.424	1.459	3.718	0.005	0.132	0.132	568.299	0.038
Rubber Tired Loaders	2014	501	750	32.744	0.426	1.458	3.821	0.005	0.134	0.134	568.3	0.038
Rubber Tired Loaders	2014	751	1000	44.238	0.471	1.662	5.373	0.005	0.161	0.161	568.299	0.042
Rubber Tired Loaders	2015	16	25	1.834	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061
Rubber Tired Loaders	2015	26	50	8.917	1.811	6.272	5.269	0.007	0.44	0.44	568.299	0.163
Rubber Tired Loaders	2015	51	120	7.5	0.805	3.945	5.041	0.006	0.415	0.415	568.299	0.072
Rubber Tired Loaders	2015	121	175	9.825	0.584	3.341	4.317	0.006	0.237	0.237	568.3	0.052
Rubber Tired Loaders	2015	176	250	10.045	0.426	1.313	3.773	0.006	0.128	0.128	568.299	0.038
Rubber Tired Loaders	2015	251	500	15.066	0.402	1.394	3.352	0.005	0.119	0.119	568.299	0.036
Rubber Tired Loaders	2015	501	750	31.04	0.404	1.394	3.447	0.005	0.121	0.121	568.299	0.036
Rubber Tired Loaders	2015	751	1000	41.806	0.445	1.572	5.063	0.005	0.148	0.148	568.299	0.04
Rubber Tired Loaders	2016	16	25	1.834	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061
Rubber Tired Loaders	2016	26	50	8.096	1.644	6.111	5.077	0.007	0.397	0.397	568.299	0.148
Rubber Tired Loaders	2016	51	120	6.939	0.745	3.919	4.657	0.006	0.373	0.373	568.299	0.067
Rubber Tired Loaders	2016	121	175	9.181	0.546	3.336	3.9	0.006	0.215	0.215	568.299	0.049
Rubber Tired Loaders	2016	176	250	9.487	0.402	1.28	3.394	0.006	0.115	0.115	568.299	0.036