

HDGV - Heavy Duty Gas Vehicles GVW >8500

LDGT1 - Light Duty Gas Trucks GVW <6001

LDGT2 - Light Duty Gas Trucks GVW >6000, <8500

LDGV - Light Duty Gas Vehicles GVW <6001

Post-Repair Emissions Reductions - Year 2013												
Vehicle Year	Vehicle Type	Initial				Retest				HC Improvement	CO Improvement	NOx Improvement
		Initial Fails (count)	Initial HC ppm (Avg)	Initial CO ppm (Avg)	Initial NOx ppm (Avg)	Retest Pass (count)	Retest HC ppm (Avg)	Retest CO ppm (Avg)	Retest NOx ppm (Avg)			
1989	HDGV	21	405.64	3.60	N/A	12	48.12	0.11	N/A	88.1%	96.9%	N/A
1989	LDGT1	144	194.78	2.00	1320.20	67	70.95	0.41	786.20	63.6%	79.5%	40.4%
1989	LDGT2	46	253.74	1.99	1233.90	25	82.96	0.34	844.44	67.3%	83.0%	31.6%
1989	LDGV	258	157.21	2.10	1219.44	131	59.32	0.23	647.40	62.3%	89.3%	46.9%
1990	HDGV	7	469.43	3.18	N/A	5	16.00	0.03	N/A	96.6%	99.1%	N/A
1990	LDGT1	60	249.25	2.62	1257.33	33	64.48	0.35	747.62	74.1%	86.6%	40.5%
1990	LDGT2	13	104.10	0.79	1637.59	13	58.61	0.10	751.61	43.7%	87.5%	54.1%
1990	LDGV	138	185.12	1.70	1451.56	78	57.73	0.24	791.92	68.8%	85.9%	45.4%
1991	HDGV	14	365.59	3.56	N/A	7	29.31	0.17	N/A	92.0%	95.2%	N/A
1991	LDGT1	218	161.49	1.89	1157.47	132	62.08	0.24	593.50	61.6%	87.3%	48.7%
1991	LDGT2	65	197.26	2.40	1217.82	39	69.53	0.30	764.56	64.8%	87.3%	37.2%
1991	LDGV	766	104.05	1.17	1303.76	364	36.32	0.14	551.27	65.1%	87.7%	57.7%
1992	HDGV	5	96.56	2.81	N/A	5	34.88	0.52	N/A	63.9%	81.6%	N/A
1992	LDGT1	92	134.78	1.41	1417.10	59	44.84	0.21	610.05	66.7%	85.1%	57.0%
1992	LDGT2	45	222.96	2.22	1238.52	29	68.49	0.26	625.23	69.3%	88.5%	49.5%
1992	LDGV	324	146.52	1.66	1234.70	158	44.47	0.16	598.00	69.7%	90.3%	51.6%
1993	HDGV	17	335.25	3.12	N/A	15	20.57	0.30	N/A	93.9%	90.5%	N/A
1993	LDGT1	430	116.57	1.23	1343.07	240	51.52	0.20	597.26	55.8%	84.0%	55.5%
1993	LDGT2	134	211.19	1.62	1041.46	94	65.88	0.27	606.21	68.8%	83.6%	41.8%
1993	LDGV	1308	90.89	0.93	1386.02	645	35.62	0.13	613.05	60.8%	86.1%	55.8%
1994	HDGV	14	355.83	2.98	N/A	10	45.62	0.21	N/A	87.2%	92.8%	N/A
1994	LDGT1	278	92.69	0.97	1543.97	211	40.97	0.20	448.45	55.8%	79.5%	71.0%
1994	LDGT2	76	238.98	1.95	1196.10	33	73.38	0.35	525.42	69.3%	81.9%	56.1%
1994	LDGV	418	112.69	0.99	1355.44	237	39.06	0.15	590.34	65.3%	84.5%	56.4%
1995	HDGV	67	361.97	3.34	N/A	34	27.08	0.19	N/A	92.5%	94.4%	N/A

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Vehicle Year	Vehicle Type	Initial				Retest				HC Improvement	CO Improvement	NOx Improvement
		Initial Fails (count)	Initial HC ppm (Avg)	Initial CO ppm (Avg)	Initial NOx ppm (Avg)	Retest Pass (count)	Retest HC ppm (Avg)	Retest CO ppm (Avg)	Retest NOx ppm (Avg)			
1995	LDGT1	711	94.25	0.83	1375.68	383	37.33	0.19	637.25	60.4%	77.1%	53.7%
1995	LDGT2	309	192.62	1.13	1363.30	176	64.39	0.27	681.81	66.6%	76.3%	50.0%
1995	LDGV	1509	122.90	0.92	1297.56	717	41.50	0.16	545.22	66.2%	82.9%	58.0%
1996	HDGV	10	327.52	2.63	N/A	5	43.56	0.24	N/A	86.7%	91.0%	N/A
1996	LDGT1	70	168.00	1.37	1196.21	31	22.30	0.09	427.96	86.7%	93.8%	64.2%
1996	LDGT2	10	112.46	0.71	1151.84	6	72.40	0.47	549.85	35.6%	33.4%	52.3%
1996	LDGV	147	95.87	1.13	973.73	63	32.03	0.15	367.21	66.6%	86.9%	62.3%
1997	HDGV	24	490.14	2.69	N/A	16	18.99	0.32	N/A	96.1%	88.3%	N/A
1997	LDGT1	240	112.17	0.93	1205.52	89	21.28	0.11	404.01	81.0%	88.4%	66.5%
1997	LDGT2	53	268.08	1.56	1365.71	15	45.80	0.26	626.24	82.9%	83.2%	54.1%
1997	LDGV	520	94.90	1.15	1073.20	200	33.56	0.15	325.69	64.6%	87.3%	69.7%
1998	HDGV	3	711.87	4.41	N/A	2	111.40	0.43	N/A	84.4%	90.2%	N/A
1998	LDGT1	94	106.14	0.65	1258.71	47	31.36	0.13	388.70	70.5%	80.7%	69.1%
1998	LDGT2	19	166.40	0.67	1286.57	7	51.06	0.35	1152.17	69.3%	47.0%	10.4%
1998	LDGV	210	109.22	1.16	1025.19	85	27.39	0.13	290.12	74.9%	88.8%	71.7%
1999	HDGV	8	508.80	1.91	N/A	1	140.00	0.60	N/A	72.5%	68.6%	N/A
1999	LDGT1	332	91.21	0.92	1214.83	127	16.58	0.09	411.18	81.8%	90.7%	66.2%
1999	LDGT2	72	257.45	0.94	1319.83	21	62.65	0.39	716.54	75.7%	58.1%	45.7%
1999	LDGV	678	76.83	0.94	1056.39	263	24.90	0.12	289.06	67.6%	87.6%	72.6%
2000	HDGV	1	290.80	1.14	N/A	3	8.27	0.16	N/A	97.2%	86.3%	N/A
2000	LDGT1	91	141.40	1.28	1079.44	50	18.79	0.10	374.57	86.7%	92.4%	65.3%
2000	LDGT2	21	267.31	0.90	1584.47	5	20.78	0.11	517.78	92.2%	87.7%	67.3%
2000	LDGV	258	102.75	1.02	1070.76	98	24.74	0.09	257.04	75.9%	90.8%	76.0%
2001	HDGV	13	570.35	0.57	N/A	8	46.95	0.14	N/A	91.8%	75.7%	N/A
2001	LDGT1	287	108.75	1.17	1053.36	121	14.16	0.08	275.23	87.0%	92.9%	73.9%
2001	LDGT2	56	237.93	1.53	1222.62	16	20.56	0.17	386.06	91.4%	89.0%	68.4%

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2001	LDGV	755	78.38	0.92	1018.73	298	16.25	0.08	229.73	79.3%	90.8%	77.4%
2002	HDGV	2	236.70	1.49	N/A	1	14.40	0.03	N/A	93.9%	98.0%	N/A
2002	LDGT1	89	134.42	1.74	1139.74	56	13.93	0.07	231.70	89.6%	95.7%	79.7%
2002	LDGT2	17	229.81	1.36	1474.07	5	17.72	0.11	662.40	92.3%	91.6%	55.1%
2002	LDGV	214	95.25	0.97	1105.98	86	15.78	0.08	223.34	83.4%	92.1%	79.8%
2003	HDGV	10	620.64	1.49	N/A	4	52.55	0.26	N/A	91.5%	82.8%	N/A
2003	LDGT1	191	113.58	1.57	928.52	96	12.79	0.07	172.35	88.7%	95.3%	81.4%
2003	LDGT2	52	177.59	0.69	1496.12	21	30.26	0.20	613.63	83.0%	70.6%	59.0%
2003	LDGV	350	81.53	1.02	1100.26	156	14.17	0.08	167.07	82.6%	91.9%	84.8%
2004	HDGV	4	552.45	0.58	N/A	1	2.00	0.00	N/A	99.6%	100.0%	N/A
2004	LDGT1	24	84.16	0.92	1085.45	7	28.89	0.23	152.60	65.7%	75.5%	85.9%
2004	LDGT2	4	523.75	5.05	761.85	3	15.50	0.02	148.55	97.0%	99.6%	80.5%
2004	LDGV	86	64.96	0.56	1131.64	41	11.96	0.08	155.48	81.6%	85.7%	86.3%
2005	HDGV	0	0.00	0.00	N/A	0	0.00	0.00	N/A	0.0%	0.0%	N/A
2005	LDGT1	2	266.40	6.03	1566.60	1	3.80	0.00	0.00	98.6%	100.0%	100.0%
2005	LDGT2	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2005	LDGV	5	30.70	0.47	1268.30	2	15.75	0.20	68.90	48.7%	57.3%	94.6%
2006	HDGV	0	0.00	0.00	N/A	0	0.00	0.00	N/A	0.0%	0.0%	N/A
2006	LDGT1	0	0.00	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.0%	0.0%
2006	LDGT2	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2006	LDGV	0	0.00	0.00	0.00	1	10.30	0.00	11.00	0.0%	0.0%	0.0%
2007	HDGV	0	0.00	0.00	N/A	0	0.00	0.00	N/A	0.0%	0.0%	N/A
2007	LDGT1	1	321.00	3.15	0.00	0	0.00	0.00	0.00	100.0%	100.0%	0.0%
2007	LDGT2	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2007	LDGV	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2008	HDGV	0	0.00	0.00	N/A	0	0.00	0.00	N/A	0.0%	0.0%	N/A

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2008	LDGT1	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2008	LDGT2	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2008	LDGV	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2009	HDGV	0	0.00	0.00	N/A	0	0.00	0.00	N/A	0.0%	0.0%	N/A
2009	LDGT1	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2009	LDGT2	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2009	LDGV	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2010	HDGV	0	0.00	0.00	N/A	0	0.00	0.00	N/A	0.0%	0.0%	0.0%
2010	LDGT1	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2010	LDGT2	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
2010	LDGV	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.0%	0.0%	0.0%
Total		12,510	121.49	1.16	1234.29	6,011	37.14	0.16	496.12	69.4%	86.1%	59.8%