



**California Certification Exhaust Emission Standards
for Light-Duty Vehicles (Passenger Cars) and Light Light-Duty Trucks:
Federal Test Procedure (FTP)
(grams/mile)**

Vehicle Type	Emission Category	Vehicle Useful Life														
		5 Years / 50,000 Miles							10 Years / 100,000 Miles							
		THC ^[2,5]	NMHC ^[3]	NMOG ^[1]	CO	NOx	PM ^[10]	HCHO ^[11]	THC ^[2,5]	NMHC ^[3]	NMOG ^[1]	CO	NOx	PM ^[10]	HCHO ^[11]	
California	PC	Tier 0	-	0.39	-	7.0	0.4	^[10] 0.08	^[11] 0.015							
		Tier 1	-	0.25	-	3.4	0.4	^[10] 0.08	^[11] 0.015	-	0.31	-	4.2	0.6	-	-
		TLEV	-	-	0.125	3.4	0.4	-	0.015	-	-	0.156	4.2	0.6	^[10] 0.08	0.018
		LEV	-	-	0.075	3.4	0.2	-	0.015	-	-	0.090	4.2	0.3	^[10] 0.08	0.018
		ULEV	-	-	0.040	1.7	0.2	-	0.008	-	-	0.055	2.1	0.3	^[10] 0.04	0.011
		ZEV	0.00	0.00	0.000	0.0	0.0	0.00	0.000	0.00	0.000	0.000	0.0	0.0	0.00	0.000
	LDT1	Tier 0	-	0.39	-	9.0	0.4	^[10] 0.08	^[11] 0.015							
		Tier 1	-	0.25	-	3.4	0.4	^[10] 0.08	^[11] 0.015	-	0.31	-	4.2	0.6	-	-
		TLEV	-	-	0.125	3.4	0.4	-	0.015	-	-	0.156	4.2	0.6	^[10] 0.08	0.018
		LEV	-	-	0.075	3.4	0.2	-	0.015	-	-	0.090	4.2	0.3	^[10] 0.08	0.018
		ULEV	-	-	0.040	1.7	0.2	-	0.008	-	-	0.055	2.1	0.3	^[10] 0.04	0.011
		ZEV	0.00	0.00	0.000	0.0	0.0	0.00	0.000	0.00	0.000	0.000	0.0	0.0	0.00	0.000
	LDT2	Tier 0	-	0.50	-	9.0	1.0	^[10] 0.08	^[11] 0.018							
		Tier 1	-	0.32	-	4.4	0.7	^[10] 0.08	^[11] 0.018	-	0.40	-	5.5	0.97	-	-
		TLEV	-	-	0.160	4.4	0.7	-	0.018	-	-	0.200	5.5	0.9	^[10] 0.10	0.023
		LEV	-	-	0.100	4.4	0.4	-	0.018	-	-	0.130	5.5	0.5	^[10] 0.10	0.023
		ULEV	-	-	0.050	2.2	0.4	-	0.009	-	-	0.070	2.8	0.5	^[10] 0.05	0.013
		ZEV	0.00	0.00	0.000	0.0	0.0	0.00	0.000	0.00	0.000	0.000	0.0	0.0	0.00	0.000