



# Motor vehicle emission control standards for basic vehicle inspection single speed idle test

## Light Duty Diesel

Model Year	Hydrocarbons (HC)	Carbon Monoxide (CO)
1975 & newer	No Check	1.5 %

## Light Duty Gasoline Two Stroke Cycle

Model Year	Hydrocarbons (HC)	Carbon Monoxide (CO)
1975 & newer	No Check	7.0 %

## Light Duty Passenger Car and Truck – 6,000 GVWR or Less

Model Year	Hydrocarbons (HC)	Carbon Monoxide (CO)
1975 – 1980 without catalyst	300 ppm	2.5 %
1975 – 1980 with catalyst	220 ppm	1.0 %
1981 & newer	220 ppm	1.0 %

## Light Duty Truck – 6,001 TO 8,500 GVWR

Model Year	Hydrocarbons (HC)	Carbon Monoxide (CO)
1975 – 1978	300 ppm	2.5 %
1979 – 1980 without catalyst	300 ppm	2.5 %
1979 – 1980 with catalyst	220 ppm	1.0 %
1981 & newer	220 ppm	1.0 %

## Heavy Duty Gasoline Truck – 8,501 GVWR or More

Model Year	HC Hydrocarbons (HC)	Carbon Monoxide (CO)
1975 – 1978	500 ppm	4.0 %
1979 – 1984	350 ppm	3.0 %
1985 & newer without catalyst	350 ppm	3.0 %
1985 & newer with catalyst	220 ppm	1.0 %

- There shall be no visible emission from either the vehicle's exhaust system or the engine crankcase.
- Diesel engines and two-stroke cycle engines, the allowable visible emission shall be no greater than twenty percent (20%) opacity.
- The standard for dilution (CO+CO<sub>2</sub>) is a minimum of six percent (6%) for non-diesel vehicles and one percent (1%) for diesel engines.
- No vehicle emission control test is valid if the engine idle speed exceeds 1300 RPM or fails to achieve 500 RPM.