

Dynamometer Loading Table - Annual Tests - Non Diesel

Gross Vehicle Weight			
Rating (Pounds)	Engine Size	Speed (MPH)	Load (HP)
8500 or less	4 cyl. or less	22-25	2.8-4.1
8500 or less	5 or 6 cyl.	29-32	6.4-8.4
8500 or less	8 cyl. or more	32-35	8.4-10.8
8501 or more	All	37-40	12.7-15.8

Emissions Standards - Annual Tests – Non Diesel

Motorcycles

Vehicle Engine Type	Vehicle Model Year	Number of Cylinders	Conditioning Mode		Curb Idle Mode Test		Loaded Cruise Mode Test	
			HC PPM	CO %	HC PPM	CO %	HC PPM	CO %
2-Stroke	All	All	18,000	5.00	18,000	5.00	N/A	N/A
4-Stroke	All	All	500	5.00	1,800	5.50	N/A	N/A

Reconstructed Vehicles

Vehicle Engine Type	Vehicle Model Year	Number of Cylinders	Conditioning Mode		Curb Idle Mode Test		Loaded Cruise Mode Test	
			HC PPM	CO %	HC PPM	CO %	HC PPM	CO %
4-Stroke	1967-1980	All	700	5.25	1,200	7.50	1,200	5.60
4-Stroke	1980 & Newer	All	700	5.25	1,200	7.50	700	5.25

Light-Duty Vehicles

Vehicle Engine Type	Vehicle Model Year	Number of Cylinders	Conditioning Mode		Curb Idle Mode Test		Loaded Cruise Mode Test	
			HC PPM	CO %	HC PPM	CO %	HC PPM	CO %
2-Stroke	All	All	18,000	5.00	18,000	5.00	18,000	5.00
4-Stroke	1967-1971	4 or less	450	3.75	500	5.50	500	4.20
4-Stroke	1967-1971	more than 4	380	3.00	450	5.00	450	3.75
4-Stroke	1972-1974	4 or less	380	3.50	400	5.50	400	4.20
4-Stroke	1972-1974	more than 4	300	3.00	400	5.00	400	3.75
4-Stroke	1975-1978	4 or less	120	1.00	250	2.20	250	1.65
4-Stroke	1975-1978	more than 4	120	1.00	250	2.00	250	1.50
4-Stroke	1979	4 or less	120	1.00	220	2.20	220	1.65
4-Stroke	1979	more than 4	120	1.00	220	2.00	220	1.50
4-Stroke	1980 & newer	All	100	0.50	220	1.20	220	1.20

Light-Duty Truck 1 (0-6000 lbs GVWR)

Vehicle Engine Type	Vehicle Model Year	Number of Cylinders	Conditioning Mode		Curb Idle Mode Test		Loaded Cruise Mode Test	
			HC PPM	CO %	HC PPM	CO %	HC PPM	CO %
2-Stroke	All	All	18,000	5.00	18,000	5.00	18,000	5.00
4-Stroke	1967-1971	4 or less	450	3.75	500	5.50	500	4.20
4-Stroke	1967-1971	more than 4	380	3.00	450	5.00	450	3.75
4-Stroke	1972-1974	4 or less	380	3.50	400	5.50	400	4.20
4-Stroke	1972-1974	more than 4	300	3.00	400	5.00	400	3.75
4-Stroke	1975-1978	4 or less	120	1.00	250	2.20	250	1.65
4-Stroke	1975-1978	more than 4	120	1.00	250	2.00	250	1.50
4-Stroke	1979	4 or less	120	1.00	220	2.20	220	1.65
4-Stroke	1979	more than 4	120	1.00	220	2.00	220	1.50
4-Stroke	1980 & newer	All	100	0.50	220	1.20	220	1.20

Light-Duty Truck 2 (6001 - 8500 lbs GVWR)

Vehicle Engine Type	Vehicle Model Year	Number of Cylinders	Conditioning Mode		Curb Idle Mode Test		Loaded Cruise Mode Test	
			HC PPM	CO %	HC PPM	CO %	HC PPM	CO %
2-Stroke	All	All	18,000	5.00	18,000	5.00	18,000	5.00
4-Stroke	1967-1971	4 or less	450	3.75	500	5.50	500	4.20
4-Stroke	1967-1971	more than 4	380	3.00	450	5.00	450	3.75
4-Stroke	1972-1974	4 or less	380	3.50	400	5.50	400	4.20
4-Stroke	1972-1974	more than 4	300	3.00	400	5.00	400	3.75
4-Stroke	1975-1978	All	300	3.00	350	4.00	350	3.00
4-Stroke	1979	4 or less	120	1.00	220	2.20	220	1.65
4-Stroke	1979	more than 4	120	1.00	220	2.00	220	1.50
4-Stroke	1980 & newer	All	100	0.50	220	1.20	220	1.20

Heavy-Duty Truck (8501 lbs or greater GVWR)

Vehicle Engine Type	Vehicle Model Year	Number of Cylinders	Conditioning Mode		Curb Idle Mode Test		Loaded Cruise Mode Test	
			HC PPM	CO %	HC PPM	CO %	HC PPM	CO %
2-Stroke	All	All	18,000	5.00	18,000	5.00	18,000	5.00
4-Stroke	1967-1971	4 or less	450	3.75	500	5.50	500	4.20
4-Stroke	1967-1971	more than 4	380	3.00	450	5.00	450	3.75
4-Stroke	1972-1974	4 or less	380	3.50	400	5.50	400	4.20
4-Stroke	1972-1974	more than 4	300	3.00	400	5.00	400	3.75
4-Stroke	1975-1978	All	300	3.00	350	4.00	350	3.00
4-Stroke	1979 & newer	All	300	3.00	300	4.00	300	3.00

Diesel Vehicle (Area B and Light Duty Area A)

Vehicle	Test Type	Elevation	Percent Opacity
All	Loaded	2000 ft and below	20%
All	Loaded	2001 to 4000 ft	30%
All	Loaded	4001 ft and above	40%

Heavy Duty Diesel Vehicle (Area A, 8501 lbs or greater GVWR)

Vehicle	Test Type	Percent Opacity (Snap)
1967 – 1990	Snap Acceleration	55%
1991 and newer	Snap Acceleration	40%