

NVFEL Nitrous Oxide Testing

Table of average FTP cycle composite emission factors for nitrous oxide for two fuels and two A/C modes.

Vehicles included in average			N2O emission factor (mg/mi)	Number of vehicles	Number of samples
All vehicles			65	23	50
Tier 0			36	1	2
Tier 1	All		73	18	34
Tier 1	Passenger vehicles		46	12	22
Tier 1	Pickups and SUVs	All	123	6	12
Tier 1	Pickups and SUVs	Without worst model	89	4	7
Tier 1	Pickups and SUVs	Worst model	171	2	5
LEV			48	4	14

Summary table of preliminary NVFEL testing results. Nitrous oxide emissions are in grams per mile for the composite FTP cycle. CAAB is the Clean Air Act Baseline Fuel, which contains about 300 ppm sulfur. Indolene is a low-sulfur fuel

Vehicle Type	Odometer (miles)	Emissions Control	CAAB Fuel		Indolene Fuel	
			75° F A/C Off	95° F A/C On	75° F A/C Off	95° F A/C On
PV	75698	Tier 0	0.018	0.053		
MV	39539	Tier 1	0.046	0.067		
PV	48690	Tier 1	0.059	0.124		
MV	23914	Tier 1	0.038	0.033		
MV	27491	Tier 1	0.028	0.049		
PV	47461	Tier 1	0.027	0.035		
PV	38766	Tier 1	0.036	0.054		0.039
PV	75083	Tier 1	0.042	0.052		
PV	24086	Tier 1	0.024	0.081		
MV	23838	Tier 1	0.027	0.029		
PU	26262	Tier 1	0.227	0.203	0.115	
PU	41549	Tier 1	0.167	0.145		
PU	20585	Tier 1	0.082	0.082		
PU	16319	Tier 1	0.087	0.102		
PU	19251	Tier 1		0.080		
MV	32818	Tier 1		0.043		
PV	28935	Tier 1		0.033		
PV	41896	Tier 1		0.046		
SUV	20949	Tier 1			0.063	0.126
PV	4959	LEV	**	**	**	**
MV	169311 *	LEV	**	**	**	**
PV	5038 *	LEV			**	**
MV	5038 *	LEV	**	**	**	**

* Catalytic bench-aged to 100,000 miles.

** Data not shown here, but included in averages.