

EOBD vs Tailpipe analysis DIESEL Engine vehicles

French UTAC test results - January 2013

This analysis is based on the French experience of using EOBD as the basis for emission testing

		Totals	Percentages		
Should have failed, but did not	Total number of vehicles tested	381.135		Notes:	
Total number of vehicles with EOBD DTC's in vehicle memory		91.303	23,96%	1	As a percentage of the total vehicles tested
Total number of vehicles which failed tailpipe emission test		26.191	6,87%	2	As a percentage of the total vehicles tested
Total number of vehicles which failed tailpipe test, but without any displayed EOBD DTC's		25.595	97,72%	3	As a percentage of the total emission failures
Total number of vehicles which failed tailpipe test and correctly displayed EOBD DTC's		596	2,28%	4	As a percentage of the total emission failures
Would have failed, but should not					
Total number of vehicles which failed EOBD, but passed tailpipe emission test OK		6.303	90,54%	5	As a percentage of indicated EOBD failures
Total number of vehicles which failed both EOBD and tailpipe test		596	9,46%	6	As a percentage of vehicles that failed EOBD and the tailpipe test

Explanations Notes:

EOBD is the vehicle's on-board diagnostic system to monitor for problems which would create an unacceptable increase in exhaust emissions

DTC's are 'diagnostic trouble codes'.

- 1 These vehicles would have failed if only EOBD was used
- 2 These are the actual failures when tailpipe testing is used
- 3 These are the number of vehicles which failed the tailpipe test, but did not display any EOBD fault codes
- 4 These are the vehicles which failed both methods of testing
- 5 These vehicles would have incorrectly failed if EOBD was the only test method
- 6 These are the vehicles which correctly failed both methods of testing