

Distance, miles	Mercedes	Mazda
Combined	49.8	64.2
Urban - cold start	2.4	5.5
Urban - warm start	6.2	6.1
Rural	11.9	6.5
Motorway	26.6	33.1
Hill	2.4	2.2

NOx, g/mile	Mercedes	Mazda	NO2, g/mile	Mercedes	Mazda	NO2-fraction, g/mile	Mercedes	Mazda
Combined	0.127	0.529	Combined	0.070	0.149	Combined	55%	28%
Urban - cold start	1.067	0.555	Urban - cold start	0.330	0.102	Urban - cold start	31%	18%
Urban - warm start	0.064	0.626	Urban - warm start	0.025	0.149	Urban - warm start	39%	24%
Rural	0.097	0.499	Rural	0.070	0.139	Rural	73%	28%
Motorway	0.080	0.327	Motorway	0.061	0.112	Motorway	77%	34%
Hill	0.294	1.616	Hill	0.046	0.406	Hill	16%	25%

NOx, g/km	Mercedes	Mazda	NO2, g/km	Mercedes	Mazda	NO2-fraction, g/km	Mercedes	Mazda
Combined	0.079	0.331	Combined	0.044	0.093	Combined	55%	28%
Urban - cold start	0.667	0.347	Urban - cold start	0.206	0.064	Urban - cold start	31%	18%
Urban - warm start	0.060	0.312	Urban - warm start	0.024	0.074	Urban - warm start	39%	24%
Rural	0.050	0.204	Rural	0.036	0.057	Rural	73%	28%
Motorway	0.040	0.391	Motorway	0.031	0.133	Motorway	77%	34%
Hill	0.184	1.010	Hill	0.029	0.254	Hill	16%	25%

Euro 6 regulated level: 0.08 g/km

Exceedance factor	Mercedes	Mazda
Combined	1.0	4.1
Urban - cold start	8.3	4.3
Urban - warm start	0.8	3.9
Rural	0.6	2.6
Motorway	0.5	4.9
Hill	2.3	12.6

NOx, g/km	Mercedes	NO2, g/km	Mercedes	NO2-fraction, g/km	Mercedes	Comments
Combined	0.079	Combined	0.044	Combined	55%	Impressive result overall
Urban - cold start	0.667	Urban - cold start	0.206	Urban - cold start	31%	Below-threshold performance in moderate driving on the flat
Urban - warm start	0.060	Urban - warm start	0.024	Urban - warm start	39%	Particularly good NOx performance on motorway, and also rural
Rural	0.050	Rural	0.036	Rural	73%	More than double the limit on hillier roads (maximum gradient was 30 metre height change over 60 seconds)
Motorway	0.040	Motorway	0.031	Motorway	77%	Poor performance from cold start - more than eight times the limit over 2.4 miles
Hill	0.184	Hill	0.029	Hill	16%	Relatively high NO2-fraction overall

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Euro 6 regulated level: 0.08 g/km
Exceedance factor Mercedes

Combined	1.0
Urban - cold start	8.3
Urban - warm start	0.8
Rural	0.6
Motorway	0.5
Hill	2.3

NOx, g/km	Mazda	NO2, g/km	Mazda	NO2-fraction, g/km	Mazda	Comments
Combined	0.331	Combined	0.093	Combined	28%	Performance well above the regulated limit in real-world driving - exceedance/conformity factor of 4.1
Urban - cold start	0.347	Urban - cold start	0.064	Urban - cold start	18%	But, in-line with average performance of Euro 6 diesels across the market
Urban - warm start	0.312	Urban - warm start	0.074	Urban - warm start	24%	In standard driving on flat roads, the exceedance/conformity factor is relatively consistent
Rural	0.204	Rural	0.057	Rural	28%	Although somewhat better performance in rural driving
Motorway	0.391	Motorway	0.133	Motorway	34%	Vehicle does not perform demonstrably worse under cold start
Hill	1.010	Hill	0.254	Hill	25%	Particularly poor performance on hillier roads (maximum gradient was 30 metre height change over 60 seconds)
Euro 6 regulated level: 0.08 g/km						
Exceedance factor Mazda						
Combined	4.1					
Urban - cold start	4.3					
Urban - warm start	3.9					
Rural	2.6					
Motorway	4.9					
Hill	12.6					