

# Open and Close System Emission Comparison

Test Vehicle: 745cc, 2-Cylinder and 4-Stroke Engine  
 Test Cycle: WMTC

Emission Standards: EURO-3 Equivalence  
 Test Number: 5 Tests for Each of Close and Open Systems

		CO	HC	NOx	CO <sub>2</sub>
		g/km	g/km	g/km	g/km
CLOSE	N=1	0.876	0.060	0.058	77.82
	N=2	0.743	0.050	0.062	78.11
	N=3	0.726	0.046	0.059	77.79
	N=4	0.761	0.046	0.060	77.85
	N=5	0.753	0.044	0.055	77.46
	<b>AVE</b>	<b>0.772</b>	<b>0.049</b>	<b>0.059</b>	<b>77.80</b>
	MAX	0.876	0.060	0.062	78.11
	MIN	0.726	0.044	0.055	77.46
	STD	2.62	0.27	0.21	N/A

		CO	HC	NOx	CO <sub>2</sub>
		g/km	g/km	g/km	g/km
OPEN	N=1	0.750	0.048	0.062	75.54
	N=2	0.737	0.046	0.059	79.12
	N=3	0.727	0.044	0.059	78.46
	N=4	0.712	0.044	0.060	77.58
	N=5	0.723	0.046	0.062	78.83
	<b>AVE</b>	<b>0.730</b>	<b>0.046</b>	<b>0.060</b>	<b>77.91</b>
	MAX	0.750	0.048	0.062	79.12
	MIN	0.712	0.044	0.059	75.54
	STD	2.62	0.27	0.21	N/A

