



# CONTROL SISTEM S.r.l.

via Cuneo n.7, 10044 Pianezza (TO) Italy

## CYCLE DATA

Cycle number:	1162	Date:	05/02/11
Performed cycle:	ECE EUDC 2 fasi BENZINA	Job number:	CS 022/11
Operator:	Cassano	Customer:	Biosolar
Driver:	Vendemiati		

## VEHICLE

Manufacturer:	Nissan	Inertia [Kg]:	1650
Model:	370Z	Road resistance 20km/h [N]:	0
Code:	CD462528	Road resistance 40km/h [N]:	0
Chassis number:		Road resistance 60km/h [N]:	0
Engine:	3700	Road resistance 80km/h [N]:	0
Transmission:	Manuale	Road resistance 100km/h [N]:	0
Traction:	Posteriore	Road resistance 120km/h [N]:	565
Fuel:	Gasoline	F0 [N]:	8
Tyres pressure [bar]:	2,4	F1 [N/kmh]:	0,000
Kilometers [km]:	51575	F2 [N/kmh <sup>2</sup> ]:	0,0536

## GENERAL DATA

	Phase 1	Phase 2		
Ambient temperature [°C]:	25,2	25,1	Violations [sec]:	2,0
Barometric pressure [mbar]:	968	968	Fuel density [kg/l]:	0,7478
Relative humidity [%]:	44,0	44,0	THC density [g/l]:	0,619
Absolute humidity [g/kg]:	9,18	9,13	CO density [g/l]:	1,25
Pd dry [kPa]:	3,205	3,186	CO2 density [g/l]:	1,964
NOx correction factor:	0,952	0,951	NOx density [g/l]:	2,05
Distance [m]:	4100	7000	NO density [g/l]:	1,338
Duration [sec]:	780	415	NO2 density [g/l]:	2,054
CVS volume [m <sup>3</sup> ]:	68,50	35,20	Secondary dil. factor	6
CVS dilution factor:	16,95	8,99		
Particulate sample volume [nl]:	126,0	64,9		

## POLLUTANTS MEASUREMENTS

	THC [ppm]	CO low [ppm]	NOx [ppm]	CO2 [%Vol]	CO high [%Vol]	Particulate [mg]	
Phase 1						Filter	
Sample	5,2	1,0	47,7	0,79	0,0	Initial weight	
Dilution air	3,0	0,0	0,9	0,05		Final weight	
						Difference	0,0000
Phase 2						Filter	
Sample	4,8	2,0	200,1	1,49	0,0	Initial weight	
Dilution air	2,7	0,0	2,6	0,06		Final weight	
						Difference	0,0000

## RESULTS

	THC [g/km]	NOx [g/km]	THC + NOx [g/km]	CO [g/km]	CO2 [g/km]	PM [g/km]	Cons [l/100km]
				BAGS			
Phase 1	0,025	1,528	1,553	0,021	243,8	0,000	10,3
Phase 2	0,007	1,938	1,946	0,013	141,9	0,000	6,0
Total	0,014	1,787	1,800	0,016	179,5	0,000	7,6
				DILUTED			
Phase 1	0,016	1,552	1,568	0,018	244,5		10,3
Phase 2	0,005	1,976	1,981	0,016	143,2		6,0
Total	0,009	1,819	1,829	0,017	180,6		7,6
				RAW 1			
Phase 1	2,155	2,455	4,609	9,413	243,5		11,2
Phase 2	1,292	1,612	2,904	3,430	142,6		6,4
Total	1,611	1,923	3,534	5,640	179,9		8,2
				RAW 2			
Phase 1							
Phase 2							
Total							

## NOTES

benzina + idrogeno + Valori RAW 1 senza Catalizzatore

OPERATOR:

CUSTOMER: