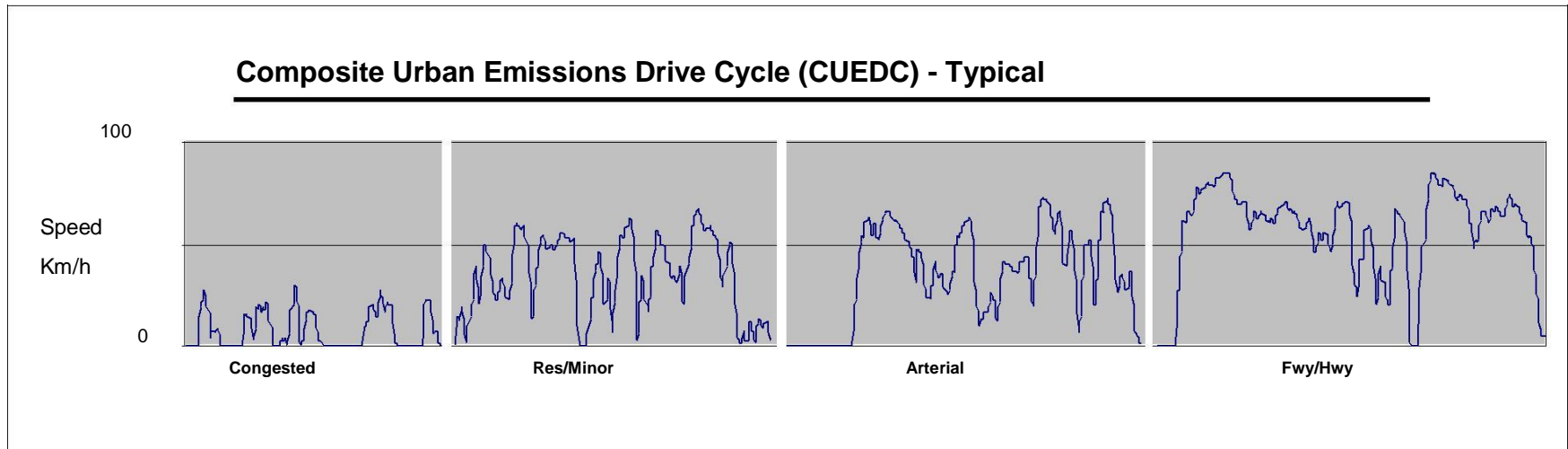




# Emission data report

Date: April 16, 2008      Test number: 3583      Test location: Regency Park YOM: 2007  
Vehicle registration no: SB25AO      Make & model: Western Star 4800 FX      Vehicle test mass (kg): 38635      Vehicle GVM (kg): 68000  
Vehicle odometer:73253      Fuel type: Diesel      Other vehicle & test details: Hydrogen fuel save/diesel comparative back to back tests  
Comments: CUEDC test on hydrogen/diesel

## CUEDC test on hydrogen/diesel



# Emission results

## Hydrogen/diesel



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Emission results	Segment	NOx	CO	CO2	CH4	THC	PM-LLSP	Opacity av(%)	Opacity max(%)	Fuel con (L/100k)
g/km	1 congested	24.18	17.57	3749	6.910	0.788	121.7	1.133	9.515	143.9
g/km.t	1	0.626	0.455	97.03	0.179	0.020	3.149			
g/kWh	1	10.42	7.572	1615	2.978	0.339	52.42			
g/km	2 arterial	14.04	4.286	2067	1.894	0.180	45.60	1.377	13.00	78.99
g/km.t	2					0.005	1.180			
g/kWh	2	0.363 6.555	0.111 2.001	53.50 965.1	0.049 0.884	0.084	21.29			
g/km	3 res/minor	17.99	4.364	2528	2.050	0.185	43.28	0.950	8.097	96.54
g/km.t	3	0.466	0.113	65.43	0.053	0.005	1.120			
g/kWh	3	6.544	1.587	919.5	0.746	0.067	15.74			
g/km	4 hwy/fwy	12.62	2.485	1731	1.201	0.104	29.54	1.031	15.53	66.07
g/km.t	4	0.327	0.064	44.80	0.031	0.003	0.765			
g/kWh	4	6.110	1.203	837.8	0.581	0.050	14.30			
g/km	combined	14.67	4.029	2083	1.818	0.172	40.86			79.57
g/km.t	combined	0.380	0.104	53.91	0.047	0.005	1.058			
g/kWh	combined	6.531	1.793	927.0	0.809	0.076	18.19			

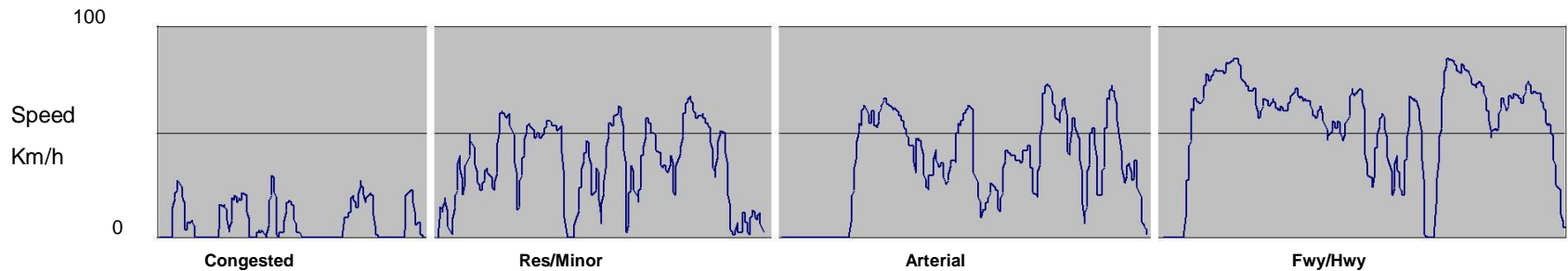
# Emission data report



Date: April 16, 2008      Test number: 3587      Test location: Regency Park YOM: 2007  
Vehicle registration no: SB25AO      Make & model: Western Star 4800 FX      Vehicle test mass (kg): 38635      Vehicle GVM (kg): 68000  
Vehicle odometer:73253      Fuel type: Diesel      Other vehicle & test details: Hydrogen fuel save/diesel comparative back to back tests  
Comments: CUEDC test on straight diesel

## CUEDC test on straight diesel

**Composite Urban Emissions Drive Cycle (CUEDC) - Typical**



# Emission results

## Straight diesel



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Emission results	Segment	NOx	CO	CO2	CH4	THC	PM-LLSP	Opacity av(%)	Opacity max(%)	Fuel con (L/100k)
g/km	1	25.24	17.57	3886	7.073	0.835	141.2	1.440	9.680	149.1
g/km.t	1	0.653	0.455	100.6	0.183	0.022	3.654			
g/kWh	1	11.28	7.857	1737	3.162	0.373	63.12			
g/km	2	16.06	4.800	2309	2.062	0.211	56.42	1.637	12.11	88.25
g/km.t	2	0.416	0.124	59.77	0.053	0.005	1.460			
g/kWh	2	7.011	2.095	1008	0.900	0.092	24.62			
g/km	3	19.47	4.690	2577	2.191	0.218	50.32	1.112	6.889	98.43
g/km.t	3	0.504	0.121	66.69	0.057	0.006	1.302			
g/kWh	3	7.283	1.754	964.0	0.819	0.082	18.82			
g/km	4	13.85	2.735	1924	1.302	0.120	40.98	1.141	8.782	73.43
g/km.t	4	0.359	0.071	49.79	0.034	0.003	1.061			
g/kWh	4	6.173	1.218	857.1	0.580	0.053	18.26			
g/km	combined	16.18	4.382	2258	1.959	0.198	51.67			86.26
g/km.t	combined	0.419	0.113	58.44	0.051	0.005	1.337			
g/kWh	combined	6.886	1.865	960.8	0.833	0.084	21.99			

