



Taylor Automotive  
Unit3, Willow Farm  
Scrapers Hill  
Chiddingly  
East Sussex

# Moss Test Results

Date: 17/09/2020  
Test #: Overview  
For: Classic Catalyst Testing  
Requester: Jimmy Stewart  
Classicfabs  
Roybridge  
Scotland

Note- %decrease, if result are negative this shows an increase

## Overall Avg

	HC	CO	NO	NOx	CO2
	ppm Vol	%Vol	ppm Vol	ppm Vol	%Vol
NonCAT Avg	136.05	7.01	98.26	103.17	11.05
wCAT Avg	75.39	5.83	41.68	43.77	11.62
<b>% Decrease Avg</b>	<b>53.12</b>	<b>18.61</b>	<b>60.42</b>	<b>60.42</b>	<b>-5.60</b>

## Test 1 Hot Idle

Averaged over 60sec

	HC	CO	CO2	O2	NO	NOx	RPM	OIL	LMBDA/AFR
	ppm Vol	%Vol	%Vol	%Vol	ppm Vol	ppm Vol		degC	
NonCAT Avg	261.37	9.74	9.04	0.51	0.00	0.00	960	118.81	11.16
wCAT Avg	191.00	8.99	10.10	0.21	0.00	0.00	990	116.70	11.62
<b>% Decrease</b>	<b>26.92</b>	<b>7.66</b>	<b>-11.73</b>	<b>58.63</b>	<b>0.00</b>	<b>0.00</b>	<b>-3.16</b>	<b>1.77</b>	<b>-4.11</b>

## Test 2 30mph

Averaged over 60sec

	HC	CO	CO2	O2	NO	NOx	RPM	OIL	LMBDA/AFR
	ppm Vol	%Vol	%Vol	%Vol	ppm Vol	ppm Vol		degC	
NonCAT Avg	99.60	7.66	10.79	0.23	26.30	27.62	1611	105.50	11.90
wCAT Avg	67.60	6.06	11.30	0.08	0.00	0.00	1577	89.20	12.33
<b>% Decrease</b>	<b>32.13</b>	<b>20.88</b>	<b>-4.76</b>	<b>66.09</b>	<b>100.00</b>	<b>100.00</b>	<b>2.12</b>	<b>15.45</b>	<b>-3.57</b>

## Test 3 50mph

Averaged over 60sec

	HC	CO	CO2	O2	NO	NOx	RPM	OIL	LMBDA/AFR
	ppm Vol	%Vol	%Vol	%Vol	ppm Vol	ppm Vol		degC	
NonCAT Avg	92.47	6.39	11.85	0.11	80.90	84.95	2176	109.25	12.33
wCAT Avg	37.40	5.14	11.98	0.02	0.00	0.00	2033	101.63	12.68
<b>% Decrease</b>	<b>59.55</b>	<b>19.44</b>	<b>-1.04</b>	<b>81.82</b>	<b>100.00</b>	<b>100.00</b>	<b>6.58</b>	<b>6.97</b>	<b>-2.86</b>

## Test 4 70mph

Averaged over 60sec

	HC	CO	CO2	O2	NO	NOx	RPM	OIL	LMBDA/AFR
	ppm Vol	%Vol	%Vol	%Vol	ppm Vol	ppm Vol		degC	
NonCAT Avg	90.77	4.28	12.51	0.14	285.83	300.13	2879	121.94	13.04
wCAT Avg	5.57	3.15	13.12	0.03	166.73	175.07	2925	116.45	13.44
<b>% Decrease</b>	<b>93.87</b>	<b>26.46</b>	<b>-4.88</b>	<b>78.77</b>	<b>41.67</b>	<b>41.67</b>	<b>-1.61</b>	<b>4.50</b>	<b>-3.08</b>

## Test 7 - Power run with Y piece

No emmissions

	Non-CAT	Moss E-Type	CF Long Manifold wCAT	% Decrease
<b>Power</b>	181HP @ 4370rpm		195.03HP @ 4270rpm	-7.75
<b>Torque</b>	243.82lbft @ 3240rpm		265.49lbft @ 3220rpm	-8.89
	CF Long Manifold Non-CAT	SUi E-Type	CF Long Manifold wCAT	% Decrease
<b>Power</b>	207.45HP @ 4610rpm		202.28HP @ 4630rpm	2.51
<b>Torque</b>	288.41lbft @ 3130rpm		281.14lbft @ 3100rpm	2.52