

LCA BRAKE TEST DAY – Test Instrumentation Comparison Results (Circuitlink vias VBox)

11/05/2021

Brake Test (Test J1 - Type "O" Engine Disconnected)										Rego		LCATEST		Date 2021-05-11									
Circuit Link Tester										Vee Box Tester													
Run		Test Time Start	Speed of Test	Test Duration	Average Decelera	MFDD Decelera	Brake Pedal	Distance	Actual Measured			Run		Test Time Start	Speed of Test	Test Duration	Average Decelera	MFDD Decelera	Brake Pedal	Distance	Actual Measured		
[No]	[Test]	[Sec]	[Start kmh]	[Sec]	[m/sec²]	[m/sec²]	[N]	[m]	F1 Reaction [time in sec]	Dist Offset [m]	Roll Wheel [Total m]	[No]	[Session]	[Sec]	[Start kmh]	[Sec]	[m/sec²]	[m/sec²]	[N]	[m]	F1 Reaction [time in sec]	Dist Offset [m]	Roll Wheel [Total m]
1	310	09:16:35	64.9	2.02	9	9.4	238	18.2	2.5	4.51	15.2	1	1 Lca 60		61.57	1.87	8.69	8.8	288.07	16.82	2.5	4.28	15.2
			5.41%	8.02%	3.57%	6.66%	-17.38%	8.20%															
2	311	09:24:52	80.6	2.8	8.5	9.1	253	31.4	2.5	5.60	27.4	1	2 Lca 80-100	0	80.79	2.94	7.96	9.0	343.31	31.62	2.5	5.61	27.4
			-0.24%	-4.76%	6.78%	1.55%	-26.31%	-0.70%															
3	312	09:31:47	101.6	3.36	8.6	9.2	240	47.5	2.5	7.06	43.1	2	2 Lca 80-100	0	100.97	3.53	8.21	9.2	364.13	47.93	2.5	7.01	43.1
			0.62%	-4.82%	4.75%	0.76%	-34.09%	-0.90%															
Average Accuracy		2.33%	1.93%	-0.52%	5.03%	2.99%	-25.93%	2.20%	Note : Brake Pedal readings removed & not accounted														

Brake Test (Test K - Type I Heating Procedure)										Rego		LCATEST		Date 2021-05-11							
Circuit Link Tester										Vee Box Tester											
Run	Report No	Test Time Start	Speed of Test	Test Duration	Average Decelera	MFDD	Brake Pedal	Distance	Wait since last	Run		Test Time Start	Speed of Test	Test Duration	Average Decelera	MFDD	Brake Pedal	Distance	Wait since last		
[No]		[Sec]	[Start km]	[Sec]	[m/sec²]	[m/sec²]	[N]	[m]	[Sec]	[No]	[Session]	[Sec]	[Start km]	[Sec]	[m/sec²]	[m/sec²]	[N]	[m]	[Sec]		
1	313	09:38:40	57.1	1.72	9.3	9.77	60	13.6	00:00:00	1	Lca Spike 1-4		55.48	1.97	9	9.55	745.68	13.2			
			2.92%	-12.69%	3.33%	2.30%	-91.95%	3.03%													
2	314	09:42:13	52.4	1.76	8.6	9.02	719	12.8	00:03:33	1	1 Spike		55.24	1.94	8.94	9.54	648.81	13.16			
				-9.28%	-3.80%	-5.41%	10.82%	-2.74%													
3	315	09:49:43	58.8	1.82	8.9	9.40	541	14.8	00:07:30	2	1 Spike		56.12	1.66	8.94	9.35	961.53	13.58			
			4.78%	9.64%	-0.45%	0.53%	-43.74%	8.98%													
4	316	09:58:32	54.4	1.72	8.8	9.42	550	12.9	00:08:49												
5	317	10:00:08	53.9	1.79	8.4	8.85	776	13.2	00:01:36	4	1 Spike		55.29	1.67	8.7	8.79	807.29	13.56			
			-2.51%	7.19%	-3.45%	0.70%	-3.88%	-2.65%													
6	318	10:01:32	57.5	1.83	8.7	9.14	727	14.6	00:01:24	5	1 Spike		55.21	1.66	8.56	9.28	915.21	13.74			
				10.24%	1.64%	-1.49%	-20.56%	6.26%													
Average Accuracy		1.91%	1.30%	3.59%	0.27%	0.51%	-40.03%	3.90%	Note : Brake Pedal readings removed & not accounted												

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11/05/2021

Brake Test (Test H -Spike Stops)										Rego LCATEST		Date 2021-05-11								
Circuit Link Tester										Vee Box Tester										
Run [No]	Report No	Test Time Start [Sec]	Speed of Test [Start klm]	Test Duration [Sec]	Average Decelera [m/sec²]	MFDD Decelera [m/sec²]	Brake Pedal [N]	Distance [m]	Wait since last [Sec]	Run		Test Time Start [Sec]	Speed of Test [Start klm]	Test Duration [Sec]	Average Decelera [m/sec²]	MFDD Decelera [m/sec²]	Brake Pedal [N]	Distance [m]	Wait since last [Sec]	
7	319	10:02:55	49.1	1.75	7.7	8.00	791	12	00:01:23	1	2 Lca Heat Proc		81.74	2.45	8.92	9.37	455.06	28.89		
			-39.93%	-28.57%	-13.68%	-14.62%	73.82%	-58.46%												
8	320	10:07:06	82.7	2.58	9.1	9.55	420	29.6	00:04:11	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail		
9	321	10:08:08	76.9	2.56	8.6	9.05	372	27.3	00:01:02	2	2 Lca Heat Proc		81.95	2.44	9.1	9.47	417.24	28.46		
			-6.16%	4.92%	-5.49%	-4.46%	-10.84%	-4.08%												
10	322	10:09:25	82.9	2.56	9.3	9.61	334	29.5	00:01:17	3	2 Lca Heat Proc		80.69	2.72	9.05	9.43	336.94	27.76		
			2.74%	-5.88%	2.76%	1.91%	-0.87%	6.27%												
11	323	10:10:32	75.9	2.66	8.2	8.95	226	28	00:01:07	4	2 Lca Heat Proc		81.71	2.5	9.04	9.43	291.05	28.51		
			-7.11%	6.40%	-9.29%	-5.08%	-22.35%	-1.79%												
12	324	10:11:31	75.8	2.6	8.4	9.01	243	27.4	00:00:59	5	2 Lca Heat Proc		81.6	2.77	9.07	9.68	325.04	28.33		
13	325	10:12:38	76	2.58	8.6	9.21	223	27.3	00:01:07	6	2 Lca Heat Proc		79.48	2.4	9.23	9.49	261.3	26.4		
			-4.38%	7.50%	-6.83%	-3.00%	-14.66%	3.41%												
14	326	10:13:48	79.6	2.75	8.6	0.00	257	30.4	00:01:10	7	2 Lca Heat Proc		81.46	2.56	8.63	9.14	292.75	29.68		
			-2.28%	7.42%	-0.35%	-100.00%	-12.21%	2.43%												
Average Accuracy		-10.79%	-11.97%	-0.47%	-7.13%	-25.43%	2.75%	-11.70%	Note : Brake Pedal readings removed & not accounted											

Brake Test (Test N - Recovery Performance "Final Test")										Rego LCATEST		Date 2021-05-11								
Circuit Link Tester										Vee Box Tester										
Run [No]	Report No	Test Time Start [Sec]	Speed of Test [Start klm]	Test Duration [Sec]	Average Decelera [m/sec²]	MFDD Decelera [m/sec²]	Brake Pedal [N]	Distance [m]	Wait since last [Sec]	Run		Test Time Start [Sec]	Speed of Test [Start klm]	Test Duration [Sec]	Average Decelera [m/sec²]	MFDD Decelera [m/sec²]	Brake Pedal [N]	Distance [m]	Wait since last [Sec]	
15	327	10:15:51	97.6	3.14	8.8	9.25	297	42.6	00:02:03	8			100.99	3.04	8.85	9.52	348.41	44.48		
			-3.36%	3.29%	-0.56%	-2.83%	-14.76%	-4.23%												
Average Accuracy		-1.54%	-3.36%	3.29%	-0.56%	-2.83%	-14.76%	-4.23%	Note : Brake Pedal readings removed & not accounted											