



Australian Karting Association of Australia
Group 1, 2 and 3 Tyre Testing Summary
3rd November 2009

Group One (Formula 100 etc)

Summary of Data

	Benchmark	Brand A	Brand B
Driver A Day 1 Session 1	34.89	34.74	34.84
Driver A Day 1 Session 2	34.62	34.48	34.70
Driver B Day 1 Session 1	34.61	34.32	34.82
Driver B Day 1 Session 2	34.55	34.38	34.69

	Benchmark	Brand A	Brand B
Driver A Variation	0.16 Quicker on New Tyres	0.06 Quicker on New Tyres	0.22 Quicker on New Tyres
Driver B Variation	0.17 Quicker on New Tyres	0.01 Quicker on New Tyres	0.17 Quicker on New Tyres

Group One (Formula 100 etc)

Summary of Data

	Benchmark	Brand A	Brand B
Front Left avg Wear mm	0.62	1.20	0.97
Front Right avg Wear mm	0.18	0.94	0.31
Front Total avg Wear	0.40	1.07	0.64
Rear Left avg Wear mm	1.35	1.45	0.87
Rear Right avg Wear mm	1.12	1.15	1.08
Rear Total avg Wear mm	1.24	1.30	0.98
Total Wear avg Front + Rear	0.82	1.19	0.81
Front Left % Wear	17.97	35.20	25.53
Front Right % Wear	5.26	27.66	8.03
Rear Left % Wear	35.57	47.46	22.85
Rear Right % Wear	29.07	37.54	28.38
Total % Wear	21.97	36.97	21.20

**Group Two (Clubman etc)
Summary of Data**

	Benchmark	B	C	D	E	F	G	H
Driver A Day 1 Session 1	38.86	39.29	39.20	38.60	38.96	38.93	38.64	38.99
Driver A Day 1 Session 2	38.55	39.38	38.94	38.72	39.11	38.38	38.36	39.03
Driver B Day 1 Session 1	37.86	38.37	38.58	37.80	38.86	38.28	38.44	38.35
Driver B Day 1 Session 2	38.04	38.14	38.42	37.53	38.18	37.83	37.89	38.03
Driver A Day 2 Session 1	38.16	38.47	38.29	36.68	38.08	37.48	37.67	37.77
Driver A Day 2 Session 2	37.25	38.54	38.26	37.46	38.03	38.09	37.39	38.06
Driver B Day 2 Session 1	37.09	37.49	37.81	37.12	38.00	37.63	37.26	37.40
Driver B Day 2 Session 2	37.23	37.38	37.54	37.17	37.33	37.26	36.91	37.41
Avg All Drivers All Days	37.88	38.38	38.38	37.64	38.32	37.99	37.82	38.13

	Benchmark	B	C	D	E	F	G	H
Driver A New to Old Variation	0.18 Slower on new tyres	0.22 Slower on new tyres	0.08 Slower on new tyres	0.15 Slower on new tyres	0.27 Slower on new tyres	0.02 Slower on new tyres	0.07 Slower on new tyres	0.02 Slower on new tyres
Driver B New to Old Variation	0.14 Slower on new tyres	0.23 Slower on new tyres	0.41 Slower on new tyres	0.05 Slower on new tyres	0.27 Slower on new tyres	0.21 Slower on new tyres	0.15 Slower on new tyres	0.11 Slower on new tyres

Group Two (Clubman etc)
Summary of Data

	Benchmark	B	C	D	E	F	G	H
Front Left avg Wear mm	0.95	0.66	1.17	0.39	0.71	0.79	1.46	1.17
Front Right avg Wear mm	0.56	0.34	0.49	0.78	0.51	0.61	0.43	0.80
Front Total avg Wear	0.78	0.50	0.83	0.59	0.61	0.70	0.95	0.99
Rear Left avg Wear mm	0.82	0.32	0.47	0.56	0.54	0.62	0.75	0.95
Rear Right avg Wear mm	0.42	0.31	0.44	0.49	0.26	0.24	0.59	0.73
Rear Total avg Wear mm	0.62	0.32	0.46	0.53	0.40	0.43	0.67	0.84
Total Wear avg Front + Rear	1.4	0.82	1.29	1.12	1.01	1.13	1.62	1.83
Front Left % Wear	23.86	20.27	27.54	9.87	19.27	21.99	18.89	31.92
Front Right % Wear	13.84	10.46	11.88	19.57	13.80	16.22	11.13	21.96
Rear Left % Wear	19.32	9.86	13.94	13.97	15.74	16.10	19.74	24.40
Rear Right % Wear	10.00	9.10	13.06	11.89	7.37	6.44	15.73	18.62
Total % Wear	16.76	12.42	16.61	13.83	14.05	15.19	16.37	24.23
Avg All Drivers All Days	37.88	38.38	38.38	37.64	38.32	37.99	37.82	38.13

Group Three (National, Rookies, Midgets)
Summary of Data

	Benchmark	B	C	D	E	F
Driver A Day 1 Session 1	41.81	41.98	41.77	41.85	42.65	41.74
Driver A Day 1 Session 2	41.76	41.99	41.18	41.25	42.21	41.44
Driver B Day 1 Session 1	42.32	42.13	41.86	42.00	42.72	41.88
Driver B Day 1 Session 2	42.04	42.00	41.44	41.70	42.61	41.94
Driver A Day 2 Session 1		41.86	40.98	41.21	41.47	41.18
Driver A Day 2 Session 2		41.36	40.69	41.00	41.66	41.03
Driver B Day 2 Session 1		41.87	41.19	41.59	42.39	41.65
Driver B Day 2 Session 2		41.70	40.92	41.35	42.13	41.52
Avg All Drivers All Days		41.86	41.25	41.49	42.23	41.55

		B	C	D	E	F
Driver A New to Old Variation		0.23 Slower on new tyres	0.26 Faster on new tyres	0.07 Slower on new tyres	0.04 Faster on new tyres	0.18 Faster on new tyres
Driver B New to Old Variation		0.07 Slower on new tyres	0.18 Faster on new tyres	0.23 Slower on new tyres	0.06 Faster on new tyres	0.05 Faster on new tyres

Group Three (National, Rookies, Midgets)
Summary of Data

	B	C	D	E	F
Front Left avg Wear mm	0.24	0.37	0.67	0.32	0.41
Front Right avg Wear mm	0.29	0.40	0.53	0.19	0.31
Front Total avg Wear	0.27	0.39	0.60	0.26	0.36
Rear Left avg Wear mm	0.20	0.24	0.53	0.23	0.44
Rear Right avg Wear mm	0.35	0.69	0.75	0.33	0.43
Rear Total avg Wear mm	0.28	0.47	0.64	0.28	0.44
Total Wear avg Front + Rear	0.275	0.43	0.62	0.27	0.40
Front Left % Wear	6.34	10.48	19.06	9.16	11.52
Front Right % Wear	7.61	11.70	14.68	5.25	8.68
Rear Left % Wear	5.34	6.69	14.44	6.04	13.99
Rear Right % Wear	9.35	19.13	21.61	8.85	13.11
Total % Wear	7.16	12.00	17.45	7.33	11.83