



WET TYRE TESTING PROCEDURE

All tyres will be tested utilising the following method. Consistency in testing will be maintained across tyres provided for testing.

The testing procedure will include testing all tyres in both dry and wet conditions.

Equipment to be used: Clubman Kart (SL Chassis) and Yamaha KT100s or ARC Water Cooled engine.

Equipment used will be consistent for all tyres tested.

Two sets of tyres of each compound will be presented for testing. One set is to be used for the dry weather test and one set for the wet weather test. The order of testing is irrelevant as separate sets are to be used for each test (one set for the wet and one set for the dry).

WET CONDITION TEST

All tyres provided for testing must undergo wet weather tyre testing.

While it is noted that some weather inconsistency is to be expected, tyres should be tested in conditions as consistent as possible.

The aim of this testing process is to determine performance in wet conditions. Any lack of wet condition performance or grip will be noted in the reporting process.

1. Set tyre pressures to the test pressures as supplied by the tyre distributor.
2. Photograph tyres (Digital) and record comments.
3. Identify depth indicators (inside edge, outside edge and central if available).
4. Measure tread depth prior to test commencing and record (pre test).
5. Measure shore hardness and record (pre test).
6. Measure circumference of tyres and record (pre test).
7. Complete 1 lap scrub – in.
8. Complete 15 laps on each test set and record the individual lap times and average lap time.
9. Photograph tyres (Digital) and record comments (post test).
10. Measure shore hardness and record (post test).
11. Measure circumference of tyres and record (post test).
12. Measure tread depth and record (post test).

DRY CONDITION TEST

The aim of this testing process is to determine wear rates for each tyre. Attention will be paid to any excessive wear or delamination problems with the tyre.

1. Set tyre pressures to the test pressures as supplied by the tyre distributor.
2. Photograph tyres (Digital) and record comments.
3. Identify depth indicators (inside edge, outside edge and central if available).
4. Measure tread depth prior to test commencing and record (pre test).
5. Measure shore hardness and record (pre test).
6. Measure circumference of tyres and record (pre test).
7. Complete 1 lap scrub – in.
8. Complete 15 laps on each test set and record the individual lap times and average lap time.
9. Examine tyres and photograph (digital), record any relevant comments on wear rates.
10. Complete a further 15 laps on each set of tyres (record lap times).
11. Photograph tyres (Digital) and record comments (post test).
12. Measure shore hardness and record (post test).
13. Measure circumference of tyres and record (post test).
14. Measure tread depth and record (post test).

REPORTING PROCEDURE AND TIMETABLE

All testing should commence as soon as practicable after receipt of all tyres to be tested.

All statistics and comments for each tyre tested to be provided on the forms attached. Please fix all data reports for individual tyres together.

On completion of testing process reports are to be forwarded to:

National Office
Australian Karting Association
PO Box 4222
PENRITH PLAZA, PENRITH NSW 2751

Any queries regarding this tyre testing procedure should be addressed with the Executive Member Technology.

Telephone: 02 47211300
Facsimile: 02 47211522
Email: auskarting@bigpond.com

All Results and Reports resulting from the tyre testing procedure are the property of the AKA and are to remain **PRIVATE AND CONFIDENTIAL** until such time as the AKA makes them public.

The tyre test contractor will make themselves available if requested to provide a verbal report to members of the NKC.

<u>DRY CONDITION TEST DATA</u>	TEST TYRE
Time / date	Recorder

1 TREAD DEPTH in mm at marked tread depth indicators only (pre Test).

	FRONT LEFT "A"		FRONT RIGHT "B"		REAR LEFT "C"		REAR RIGHT "D"
outside							
centre							
inside							

2 CIRCUMFERENCE in mm (pre Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

3 SHORE HARDNESS (pre Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

4 First session 15 LAPS

LAP TIMES	COMMENTS:
Lap 1	
Lap 2	
Lap 3	
Lap 4	
Lap 5	
Lap 6	
Lap 7	
Lap 8	
Lap 9	
Lap 10	
Lap 11	
Lap 12	
Lap 13	
Lap 14	
Lap 15	

5 PHOTOGRAPHS Front after 15 laps	Rear after 15 laps

6 Second session 15 LAPS

LAP TIMES	COMMENTS:
Lap 1	
Lap 2	
Lap 3	
Lap 4	
Lap 5	
Lap 6	
Lap 7	
Lap 8	
Lap 9	
Lap 10	
Lap 11	
Lap 12	
Lap 13	
Lap 14	
Lap 15	

AFTER COMPLETION OF 30 LAPS

7 PHOTOGRAPHS Front after 30 laps	Rear after 30 laps

8 TREAD DEPTH in mm at marked tread depth indicators only (post test).

	FRONT LEFT "E"		FRONT RIGHT "F"		REAR LEFT "G"		REAR RIGHT "H"
outside							
centre							
inside							

WEAR CALCULATION

(all A+B) - (all E+F) = _____ ÷ 2 or 3 *** = _____ FRONT tyre wear _____ mm

(all C+D) - (all G+H) = _____ ÷ 2 or 3 *** = _____ REAR tyre wear _____ mm

*** Depending upon number of samples points per tyre

Wear % calculation formula to be advised.

8 **CIRCUMFERENCE** in mm (post Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

9 **SHORE HARDNESS** (post Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

ADDITIONAL COMMENTS:

<u>WET CONDITION TEST DATA</u>	TEST TYRE
Time / date	Recorder

1 **TREAD DEPTH** in mm at marked tread depth indicators only (pre Test).

	FRONT LEFT "A"		FRONT RIGHT "B"		REAR LEFT "C"		REAR RIGHT "D"
outside							
centre							
inside							

2 **CIRCUMFERENCE** in mm (pre Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

3 **SHORE HARDNESS** (pre Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

4 **15 LAP Session**

LAP TIMES	COMMENTS:
Lap 1	
Lap 2	
Lap 3	
Lap 4	
Lap 5	
Lap 6	
Lap 7	
Lap 8	
Lap 9	
Lap 10	
Lap 11	
Lap 12	
Lap 13	
Lap 14	
Lap 15	

5 PHOTOGRAPHS Front after 15 laps	Rear after 15 laps

6 TREAD DEPTH in mm at marked tread depth indicators only (post test).

	FRONT LEFT "E"		FRONT RIGHT "F"		REAR LEFT "G"		REAR RIGHT "H"
outside							
centre							
inside							

WEAR CALCULATION

(all A+B) - (all E+F) = _____ ÷ 2 or 3 *** = _____ FRONT tyre wear _____ mm

(all C+D) - (all G+H) = _____ ÷ 2 or 3 *** = _____ REAR tyre wear _____ mm

*** Depending upon number of samples points per tyre

Wear % calculation formula to be advised.

7 **CIRCUMFERENCE** in mm (post Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

8 **SHORE HARDNESS** (post Test).

	FRONT LEFT		FRONT RIGHT		REAR LEFT		REAR RIGHT

ADDITIONAL COMMENTS:

DAILY INFORMATION

Attach extract from newspaper reporting on weather conditions of test days.

I being the duly authorised person supervising the tyre testing confirm the activities were carried out under my instruction.

The track was secured for testing with no other kart activities conducted during the test period AND no company representatives or any member of the public were within 50 metres of the control area.

Test drivers were reminded that all information and test results were confidential and that under no circumstance were they to discuss the test results, unless requested to do so by the AKA Secretariat.

Signed

Name AKA witness
in attendance