

New Zealand Formula Ford Championship

Round one Timaru 27th/28th January

Facilities	Scrutineering shed as Measurement Pad	
	Team areas for mechanical Checks	
Personnel	Dummy Grid	
	Shane Drake	Tyre marking
	Andy Robertson	Assistant Scrutineer
	Ian Barlow	Parc Ferme
	Ron McMillan	MSNZ Technical Scrutineer
	Malcolm Glen	Category event Director

Friday Tyre marking 17 cars
Auditing 9 cars, 9 cars No audit necessary

Prior to official practise and during auditing instructed Car 0 Hunter to remove wheel fairings as did not meet Schedule F

Also wheels had been machined. Discussion took place and Team admitted machining. This is in Breach of schedule F . Entrant was advised legal wheels are to fitted prior to and including any future rounds under schedule F

Category A seals (paint) were applied to several engines (carbs/ manifold/ rocker cover)

Qualifying Tyre checks dummy grid
Ride Height and track 50,19,69,28

Car 0 Hunter failed ride height. Discussion took place. Despite engineer not being conversant with rules, matter was reported to Event director. Penalties applied under Judge of Fact Measurements

Weight	50	513
	19	512
	69	512
	28	516
	0	519

Category C seals and engine tags were applied under the articles. Because of numders and workload these were recorded on spreadsheet .

Saturday Complete seal attachments

Race 1 Dummy Grid tyre marks and Sniffer checks all championship cars
Post race Parc ferme. All impounded cars Ride Height and weight

90	527
50	514
28	514
77	511
73	514
68	517
35	513
69	514

Roller check Differentials Cars 28,50,68,59

All OK

Prior to Race 2 Magnet checks all cars Springs and calipers

Wheel spacers cars 28,50,69 All Ok

Race 2 Weight and ride Height on listed cars

50	513
69	513
28	515
20	512
77	512
19	513

Under Parc Ferme in team tents Checked Valve lift 1st, 2nd, 3rd

Car 50 9.04 In 9.00 Ex

Car 69 9.08 In 8.96 Ex

car 28 failed on # 4 cylinder 9.12 Ex 9.08 In

Under procedure Checked other three exhausts and averaged

9.115, 9.08, 9.12 and recheck 9.12

Average 9.10. Entrant warned too close, with some over. Rectify before round 2.

Note Despite more than 20 minute cooldown, cylinder head temperatures were very high on all engines. FF to discuss this at a later date . Some engine builders commented on this. The Alloy heads do not seem to be consistent in growth in my opinion only.

Sunday

Called to inspect various engine changes Car 30 Engine 003102 substituted

Car 17 Engine 025278 substituted

Race 3 Dummy Grid Tyres, Cameras

Post race Weight, ride Height, track width

69	512
56	513
20	514
18	517

19 514

Car 17 Weighed three times due to windy conditions. 510kg. Team received verbal warning that weight was too close. Will be monitored at Ruapuna

Accident involving Car 0 Inspected request by official. Broken bolt RR lower inner rod end
Discovered nut off LR same position
Commented to team .My feeling was as bolts in single shear, insufficient for wishbone load. Writer will compare with other models.

Race 4	Weigh random cars	93	515
		58	521
		99	517
		42	528
	Valve lift on car 19 Class 2 leader	8.95 Ex	9.02 in

Post race Car 90 Blincoe Broke head seal and inspect head and hasket

Several discussions with team owners and engine builders over engine changes etc.
All requests were put in writing and received written replies

- 1) Car 17 has two engine rebuilds required so will be on third engine at Ruapuna.
- 2) Car 90 has head removed only First engine
- 3) Car 75 seals still intact no further action
- 4) Car 30 second engine now in car First engine has head removed

Paint seals to be removed without penalty for Ruapuna

Dated Thursday 1 February

Compiled by Ron McMillan 938330Y