

Technical Department

NZRC SUPPLEMENTARY TECHNICAL REPORT

1. Vehicle and Competitor Details:

Car	Hyundai i20 AP4 Plus	Driver;	David Holder
Chassis No.	MALBB31CLCM028874	Licence No.	040844X
Logbook	22795	Inspection venue:	Force Automotive, Mt Maunganui
		Inspection date:	16 April 2017

2. Report Details:

Permission was requested by Force Motorsport, Mt Maunanui to break the engine cylinder head seals on the vehicle detailed above for the purpose of maintenance.

The Hyundai AP4 Plus Rally Car is the current Points Leader in Class 1 of the 2017 NZRC. Under the prescriptions of the 2017 NZRC Portfolio, the minimum weight for competing Class 1 cars is determined by engine capacity and is declared for each car prior to the first Round entered. As the car is the current Championship Points Leader it was considered appropriate that the declared engine capacity be confirmed by physical inspection prior to dismantling.

3. Inspection details:

- a) The 'C' Type Seal on the cylinder head was confirmed intact and the serial number identified as 15-3-C. This matches the serial number recorded in the Championship Seal Register and also the seal details recorded in the Vehicle Logbook.
- b) The seal was subsequently broken and the cylinder head was removed.
- c) The exposed surfaces were lightly cleaned to remove loose debris and the engine 'Top Dead Centre' was identified by means of a DTI Gauge.
- d) The Stroke was measured using a Vernier Depth Gauge and recorded
- e) The bore was measured at the cylinder head surface using a Vernier Calliper and recorded
- f) The cylinder swept volume was calculated and converted into total engine capacity.

4. Inspection Result:

The engine inspection confirms that the uncorrected engine capacity for the vehicle detailed above is 1775cm³.



Terry Carkeek
Series Scrutineer
NZRC
18 April 2017

