



Australia & New Zealand

THIS TEST KIT IS USED TO DETERMINE THE SODIUM NITRITE CONCENTRATION OF WATER IN ENGINE COOLING SYSTEMS. THIS PROVIDES AN INDICATION OF THE CONCENTRATION OF POWERCOOL IN THE COOLING SYSTEM

WARNING – Beware of hot coolant when removing the radiator cap.

1. VISUAL INSPECTION Draw a sample of the radiator coolant. If the sample is cloudy, rusty in colour, or in any other way contaminated, the system must be drained, flushed, cleaned and refilled with PowerCool® Premix. If sample is clean, proceed to Step 2.	SODIUM NITRITE TEST 2. Fill the test tube with 1 ml of radiator coolant. 3. Add two drops of PowerCool® Reagent N1. 4. Add one drop at a time, counting the drops of PowerCool® Reagent N2 used while mixing, until orange colour changes to blue. 5. Each drop is equivalent to 150 ppm Sodium Nitrite. 6. Refer to the table below for inhibitor level, and action if required.
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NOTE: New PowerCool® Premix can show Nitrite results of 17 or 18 drops of N2 is ok as Nitrite will deplete over time.

DROPS OF REAGENT N2	NITRITE AS PPM SODIUM NITRITE	COMMENTS	REQUIRED ADDITION RATES
1 - 5	150 – 750	Severely under dosed	Drain Coolant System, Flush and Refill with new PowerCool Premix Coolant.
6 - 10	900 - 1500	Maintenance Required	Add SCA Liquid Top Up or Need Release SCA Coolant Filter.
11 – 16	1650 – 2400	Correctly Treated	No Action Required
17 or greater	2400 or greater	Overdosed	Drain Coolant System, Flush and Refill with new PowerCool Premix Coolant.

PowerCool 3000 Liquid SCA Top Up Directions

Precharge Cooling System	Add 1 x 473 ml (1 pint) for every 16L (4 gallons) of cooling system capacity
Maintain Cooling System	Add 1 x 473 ml (1 pint) for every 80L (20 gallons) of cooling system capacity every 24,000kms (15,000 miles). For low mileage applications add the same dosage every 300hrs

Test Kit Reagent Refills	
PEN40861.65	PowerCool N1 Reagent
PEN48052.65	PowerCool N2 Titrant
Cooling System Maintenance Parts	
23507854	PowerCool 3000 Liquid SCA Treatment
S60 Filters	
23507545	PowerCool 3000 4oz Filter
NF2088SM	PowerCool 3000 Need Release
NF3000	Pencool 3000 16oz Filter
DD Engine Filters	
A4712030155	DD Engine Need Release Coolant Filter
A4722030355	DD Engine Blank Coolant Filter

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