



Performance Lubricants & Coolants

Document Name:  
**Product Testing Data Sheet**


Testing date:  
August 11,2006

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Number: PTDS 23



Product Test  
Two2cool Additive  
2006 Suzuki  
RMZ450  
Aug. 2006


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### DESCRIPTION OF VEHICLE AND CONDITIONS

Base Product	Dumonde Tech 4 stroke
T2C Product	Two2cool engine oil additive.
Event (Practice, Race)	
Date	08/11/2006
Track	Thundercross, Okeechobee Fl.
Rider name, weight, class	Anonymous: 128lb 250 pro
Engine	MOD Ported, cam, hi comp piston, balanced
Pipe	FMF Mega Bomb
Best Lap Time	
Weather	Sunny, Hot 95 degrees humidity 88%
Make	2007 Suzuki
Model	RMZ450
Gearing	14/48
Tires	Dunlop733
Notes	
Track Conditions	Good, Tacky
Track Type (AX, SC, MX, HS)	Outdoor Motocross
Duration of Test	20 Laps
Fuel	VP Ultimate2

#### Purpose of Test:

This test was conducted to evaluate the effectiveness of T2C oil additive and its affects on Coolant temperatures both internally (water jacket cylinder head) and Internal (radiator) temperatures over the coarse of a normal 20 lap Outdoor Track event with a Pro Rider.

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**Test equipment: 3-** Mychron light digital gauges

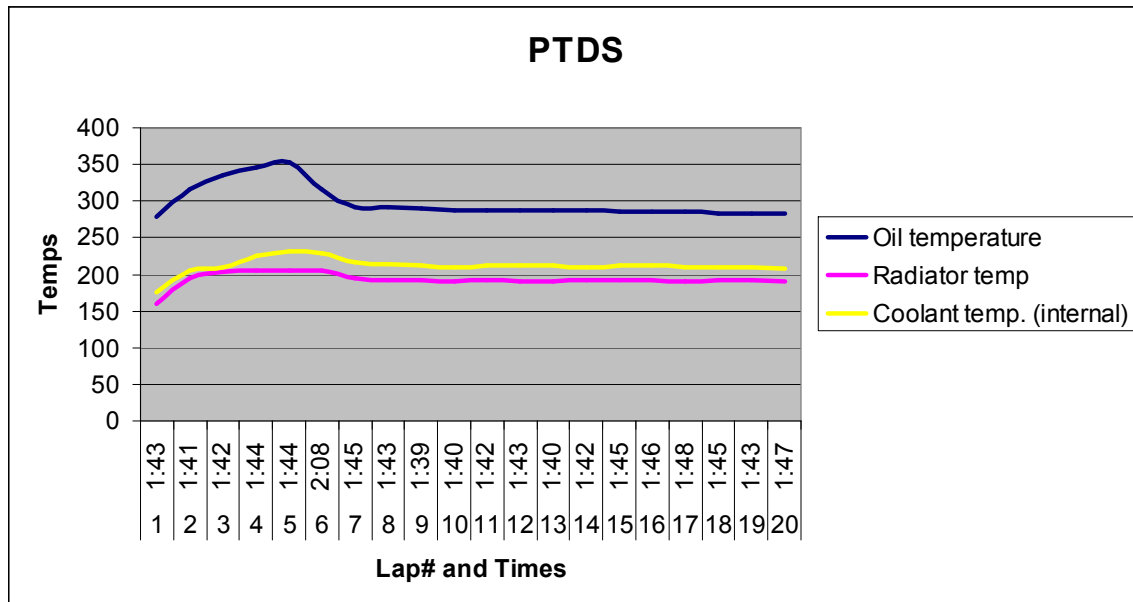
One thermocouple installed in engine oil next to clutch

One thermocouple installed in right side of the radiator

One thermocouple installed directly in the water jacket at cylinder head


**Test summary:** This test bike was started and warmed up for approx. 30 seconds before commencing the start of the test. The bike and rider started this test at a normal starting gate just like a racing condition and was ridden for five consecutive laps. After completing the 5<sup>th</sup> lap the rider pulled over and in pit stop style fashion the proper amount of T2C was added to the engine oil. Total time for addition of Two2cool Oil Additive is 25 seconds Plus slow down and back up to speed making the sixth lap slightly slower than average.

Test Data:



Highlights from Data

Lap Number	1	2	3	4	5	6	7	10	15	20
Lap Time	1:43	1:41	1:42	1:44	1:44	2:08	1:45	1:40	1:45	1:47
Oil temperature	280	315	335	345	352	315	292	288	286	283
Radiator temp	160	195	203	205	206	206	194	191	192	191

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Coolant temp. (internal)	175	205	210	225	232	230	216	210	212	208
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**Observation:** The slight decrease in temps from lap 10 to lap 20 was believed to be due to a slow down in aggressiveness/lap times.

**Conclusion:** This test demonstrates by adding T2C oil Additive to hot motorcycle during the test, that it lowered the engines internal oil temperature about 60 degrees. By documenting the rapid loss of overall temperature, we were able to measure a decrease in internal coolant temperatures at the cylinder head and at the radiator.

Overall reduction in overall in engine temp ,oil temp, and Coolant temps. Without any additional aftermarket part or modifications the cooling system.

**IN WITNESS WHEREOF**, the Parties have caused this Test have be executed by their respective, duly authorized representatives and Witness by those mentioned..

**Company Name:** Two2cool Partnership.

**Team Name:** Two2cool/ Salt Life/ Cernics Racing Suzuki

**Authorized Representative:**

**Test Rider:** Russell Clay

**Title:** Director of R&D

**Relationship to Rider:**

**Date:**

**Date:**

**Signature:**

**Signature:**

**Company Name:** Two2cool

**Team Name**

**Authorized Representative:**

**Guarantor:**

**Title:**

**Relationship to Rider:**

**Date:**

**Date:**

**Signature:**

**Signature:**