



Performance Lubricants & Coolants

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Product Testing Data Sheet


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Product Test
Two2cool Additive
2005 Soft Tail
April 2006

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DESCRIPTION OF VEHICLE AND CONDITIONS

Base Product	20w-50
T2C Product	Two2cool engine oil additive.
Event (Practice, Race)	N/A
Date	04/19/2006
Track	N/A
Rider name, weight, class	N/A
Engine	Production
Pipe	Production
Best Lap Time	N/A
Weather	Sunny, Hot 85 degrees humidity 88%
Make	2005 Harley Davison
Model	Soft Tail deluxe
Gearing	N/A
Tires	N/A
Notes	N/A
Track Conditions	N/A
Track Type (AX, SC, MX, HS)	N/A
Duration of Test	N/A
Fuel	Pump Gas

Purpose of Test:

This test was conducted to evaluate the effectiveness of T2C oil additive and its cooling affects on a Street ridden V-Twin Air cooled Motorcycle in three conditions; Highway, Local and Rush hour traffic.

Test equipment: 3- Mychron light digital gauges

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One thermocouple installed in engine oil

Test summary: The test was performed on a normal ride day at 85 Degrees Fahrenheit ambient temperature utilizing a 2005 Harley Davison Soft tail. Data was acquired using Digital Gauges mounted at a location where oil is present and traveling at highway speeds of 65 MPH for 15 minutes, the bikes oil had a leveled off temp of 220 Degrees Fahrenheit. We then move off the highway to a local road with normal stop and go traffic. The bikes oil temperature reading started to rise to 250f within two minutes. We continued the test in the same conditions for the next 15 minutes and the temperatures maintained approximately 250 degrees Fahrenheit. We decided to pulled into Rush Hour traffic, during the test we averaged 1.5 MPH with a average idle time of 62 seconds before moving forward. In these conditions the oils temperature rose to 280 degrees Fahrenheit. We pulled off the road shut the bike off and added the correct amount of T2C oil additive to the engine oil. We then rejoined the rush hour traffic. The bike in the same rush hour traffic conditions with the Engine still hot, with no cool down period. Temperature data exhibited a drop in temperature to 248 Degrees Fahrenheit within 5 minutes of the addition of the T2C oil additive. After an additional ten minutes of rush hour traffic, the temperatures cooled to 235 degrees Fahrenheit. We then rejoined the regular highway traffic at 65 MPH and the final temperatures were 204 Degrees Fahrenheit for a reduction of 16 Degrees Fahrenheit.

Overall Results:

Highways Reduction of 16 Degrees 7.3%


Rush hour stop and go reduction of 45 Degrees 16%

Observation: Temperatures during stop and go rush hour traffic at idle were higher then we expected.

Conclusion: This test demonstrates by adding T2C oil additive to hot air cooled motorcycle during the test, that it lowered the engines internal oil temperature about 45 degrees in heavy congested traffic.

Back up:

This test was performed three times over the coarse of three weeks,. The results had similar readings and were slightly v affected by outside ambient temperatures. Test temperature varied by 2%+-.

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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: N/A

Authorized Representative:

Test Rider:

Title: Director of R&D

Relationship to Rider:

Date:

Date:

Signature:

Signature:
