

4 traqmates used to gather HP data during race

Posted by SvoChuck - 21 Sep 2010 07:47

So here is some information...

I had access to 4 Traqmates for our main race on Saturday. So with out asking or telling the drivers ahead of time the top four earned this special treat.

We will be talking about how we could use this tool in the future but for now Congratulations to our National Champion Dave Dirks for having the lowest HP of the top 4 .

This is not a perfect system just a tool .

AND Congratulations to all of our racers for no problems in Tech / impound !

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Re:4 traqmates used to gather HP data during race

Posted by rlofgren - 21 Sep 2010 15:58

if i give you my data will you tell me where i fit in hp wise?

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Re:4 traqmates used to gather HP data during race

Posted by spec944#74 - 22 Sep 2010 01:43

How did the data compare to the dyno results? I'm asking because I get off the wall hp and torque numbers. I don't know if I didn't get the weight/wheel size/ gear ratios etc. entered correctly but the rest of the data seems right on the money. Could your post or pm me the values you used?

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Re:4 traqmates used to gather HP data during race

Posted by Sterling Doc - 22 Sep 2010 01:51

There are lots of variables that make it hard to dial things in very closely. The weight of the car changes through the race as you burn off fuel, for example. Drafting, wind conditions, wether the track is level, etc all affect the numbers that the TM puts out. Then there are the adjustments for rolling resistance, aero,

etc. There is a set point in the TM for the frontal area & CD of a 944, but I doubt this calculation takes in to account the open windows we run. Then the 924S is slightly different again. These make for a lot more variables than putting a car on the dyno, and more variation in the reported HP output, from what I've seen on my own TM, and the other data I've seen personally.

Steve, were the numbers consistant from lap to lap on your car?

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Re:4 traqmates used to gather HP data during race

Posted by SvoChuck - 22 Sep 2010 06:38

Yea the numbers were all over the place. The TM guy who was running the numbers nailed Dirks's HP number right on compared to his dyno.

We used the standard CD and then used exit weight but the TM guy had 2 days to compare dyno to TM then he picked where to grab the HP number from. Maybe it was more art than science ...

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Re:4 traqmates used to gather HP data during race

Posted by GaryM05 - 22 Sep 2010 22:51

Chuck - you might ask Snyder how they used the Traqmate units in TT to verify horsepower. He was working as a TT director for Nationals, and came away very impressed with how closely they were able to get the Traqmate readings to match the dyno readings.

I know that it took some configuration work to make it happen (though I'm not sure what all they had to do to set it up), but in the end it sounds like they were able to use the Traqmate to effectively accomplish what it sounds like you're looking to do, so it might be worth a conversation with Rick or some of the other TT directors from Nationals.