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FSAE TTC Members;

This cover letter references the testing conducted at the Calspan Tire Research Facility (TIRF). This testing was conducted as contract number CT0108.0000.1320, TIRF project number 1320. All data and material will reference the 1320 number. Testing was conducted in October 2009. Testing was witnessed by Dr. Edward Kasprzak, FSAE TTC contact for TIRF. As of this time 6 tire types were tested for a total of approximately **5 test days**. Specific details of the tires and tests are available in the Test Schedule found in the 1320 Summary Table excel file listed below.

The following are included on the ftp site:

- 1) Cover Letter
- 2) 1320 Summary Table Excel : contains test schedule, tire information, spring rate and cornering stiffness values
- 3) Cornering Folder:
 - ASCII files;
 - English units
 - SI units
 - SI units, TIRF “SA’d” data ready for Pacejka fitting
- 4) Braking Folder
 - ASCII files;
 - English units
 - SI units
 - SI units, TIRF “SL” data ready for Pacejka fitting
- 5) Video on DVD-Roms
- 6) TIRF Reference documents: describes TIRF machine, history, data acronyms and mathematical definitions. Also description of TIRF “SA” procedure.

Proving and Improving

As stated on the MRA/FSAE-TTC web-page:

USE OF THE DATA

FSAE teams are free to use this data in the design and construction of their FSAE entries, other school projects and related activities. **Any publication or presentation of the tire data must acknowledge Calspan and the FSAE TTC.**

Please see the MRA/FSAE-TTC web-page for more FSAE-TTC requirements.

Follow up questions may be directed to Edward Kasprzak Ph.D. If the question cannot be answered by Dr. Kasprzak they may be forwarded to me at the contact info below.

Calspan would welcome the opportunity to work with all of you in the future through the FSAE-TTC or in future professional assignments. Calspan would like to Thank Dr. Edward Kasprzak, Mr. Douglas Milliken and Dr. Bob Woods for all their efforts to make this project possible and efficient.

Sincerely,



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