

Ticket #964

Ticket Status: Closed

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Create Date: 09/12/2015 12:46 pm

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Field of Study: Mechanical Engineering

Subject: Yale

09/12/2015 12:46 pm Philip Piper

This question is in regards to the Accumulator Attachment section of the SES.

What are the judges looking for in this section in regards to tube frame cars? The wording seems to suggest that only the "mounting system" (fasteners) needs to be explained. But does that mean the judges want detailed analysis of where the fasteners are along with either an FEA or free body diagram to get the force in each fastener? Or does that mean the judges want pictures of where each of the 4+ 5/16" Grade 5 bolts are in accordance with EV3.5.2(a)?

This is the only part of the SES that we need to fill out, and our accumulator mounting system is fully designed, so we look forward to getting you the SES directly after this clarification!

Thanks,

Phil

09/13/2015 5:03 pm

Phil.

I don't need an FEA or such, but will be applying "good engineering principles", and so will be looking at the fastener placement and to what they are attached. You should show the placement on a drawing on the tab.

You will also have to include some form of calculations to show that you meet the requirements of the first part of EV3.5.2.

Michael Royce.

09/13/2015 5:03 pm

Phil.

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Michael Royce.

09/14/2015 11:49 pm Philip Piper

Great, thanks for clearing that up. Would you prefer that we discuss accumulator attachment here (seeing as that is the only part of the SES we fill out), or in successive SES submissions?

Additionally I decided to change a few things in the accumulator attachment and am working on getting them in CAD, hence the short delay.

Best,

Phil

09/19/2015 3:28 pm Philip Piper

I just submitted the SES via <http://formula-hybrid.org/uploads> so we are good to go on this ticket. Thanks Michael!

Best,

Phil

09/20/2015 11:45 am

Phil,
I am currently down in Austin having just worked the WEC event. I'll look at your SES when I get home later this week.

Michael Royce.

09/23/2015 2:40 pm

SES has been submitted and approved.

Ticket closed.

Michael Royce

Please Wait!

Please wait... it will take a second!