Service Engineering Fundamentals Test

Overview:
1. Vehicle Trace Analysis
2. Coding

This test contains 2 sections, to test your vehicle level analysis knowledges and coding skills.

You are free to use resources from your book or internet, but the test must be completed by you with no help from anyone else. **DO NOT use ChatGPT or its AI equivalent (we will know☺)**
The test should be completed within 24 hours and is expected to take 3-4 hours (you can use more, but must be returned within 24 hours).

1. Vehicle Trace Analysis

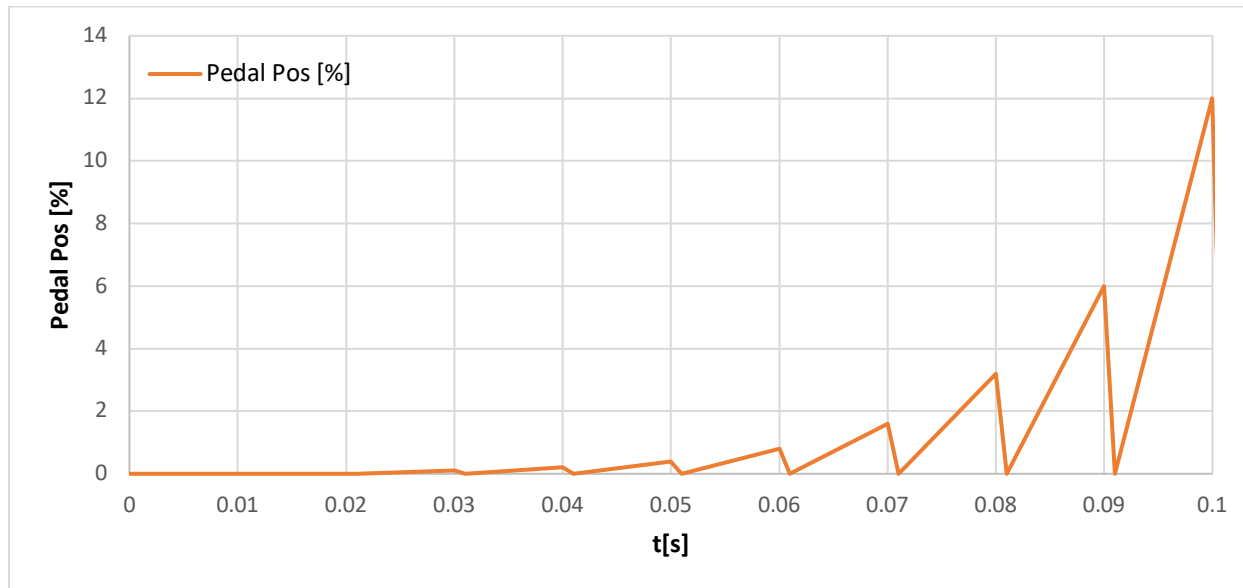Assume the following traces were captured from a vehicle CAN bus.
(a) For each, please indicate if you believe that the behavior depicted is good, if there is potentially something wrong with the hardware/software, or if the data itself could be compromised.
(b) Please suggest a root cause if applicable and or justify why you think the data looks good.
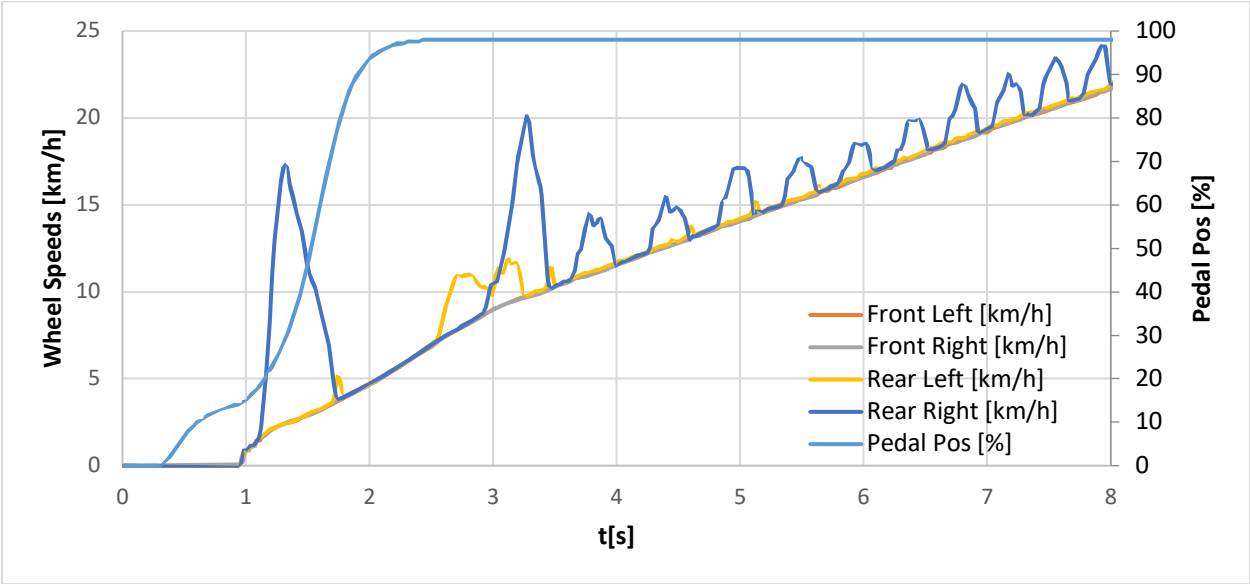(c) Please indicate the most likely driving scenario from which the data was sampled
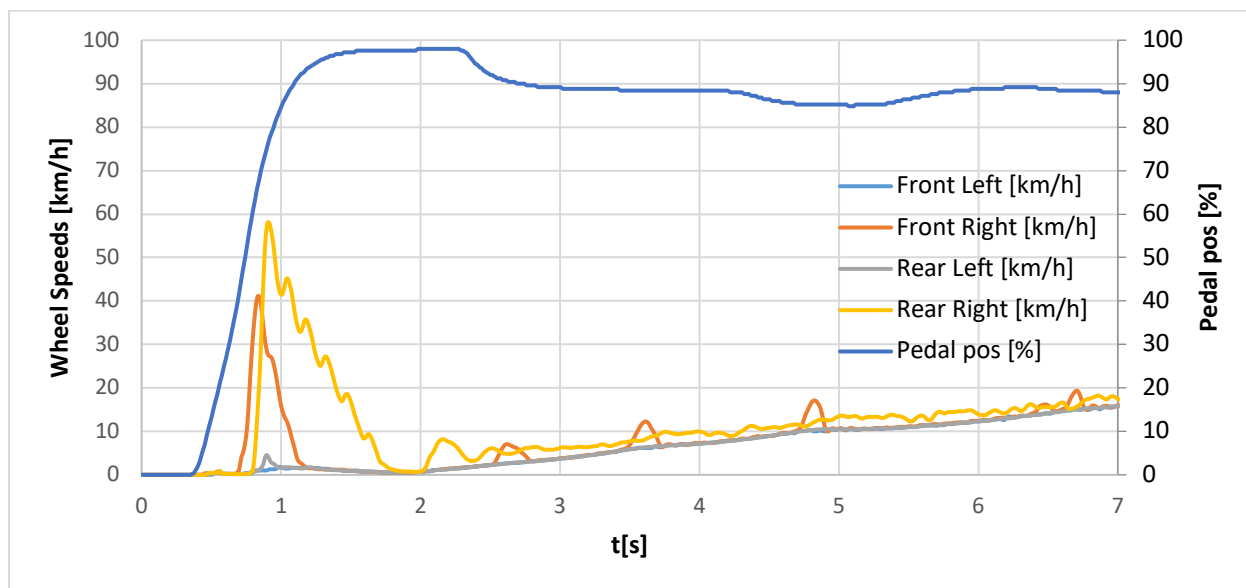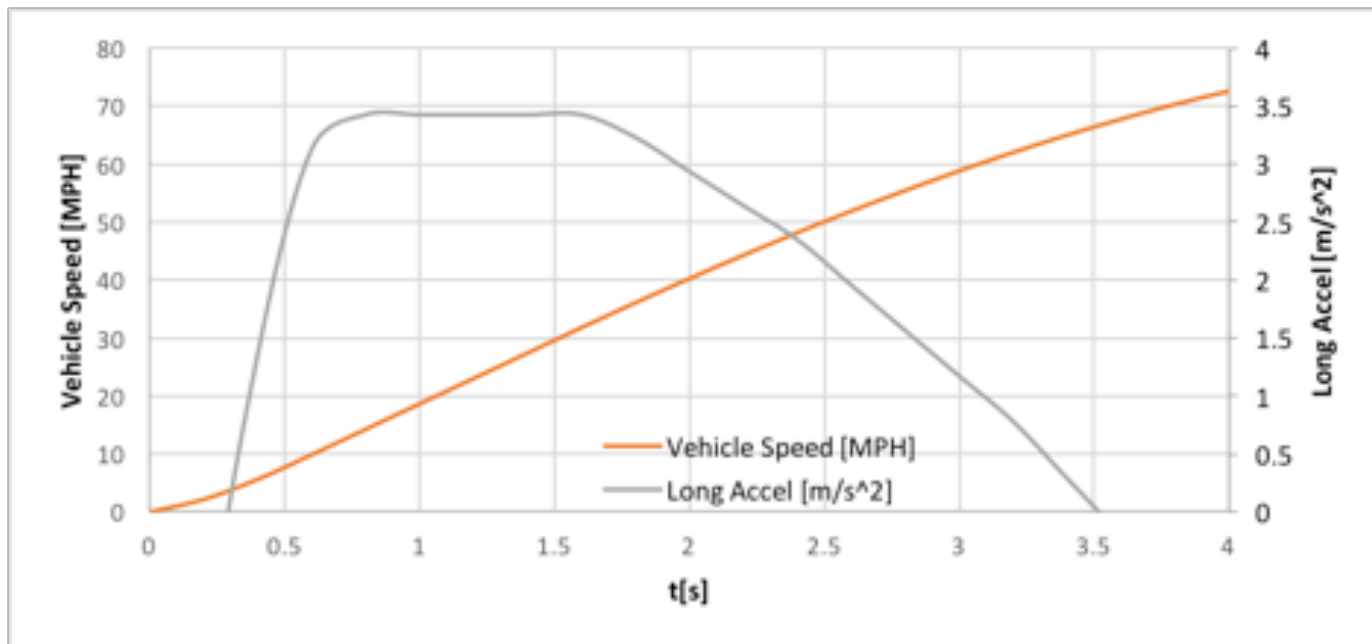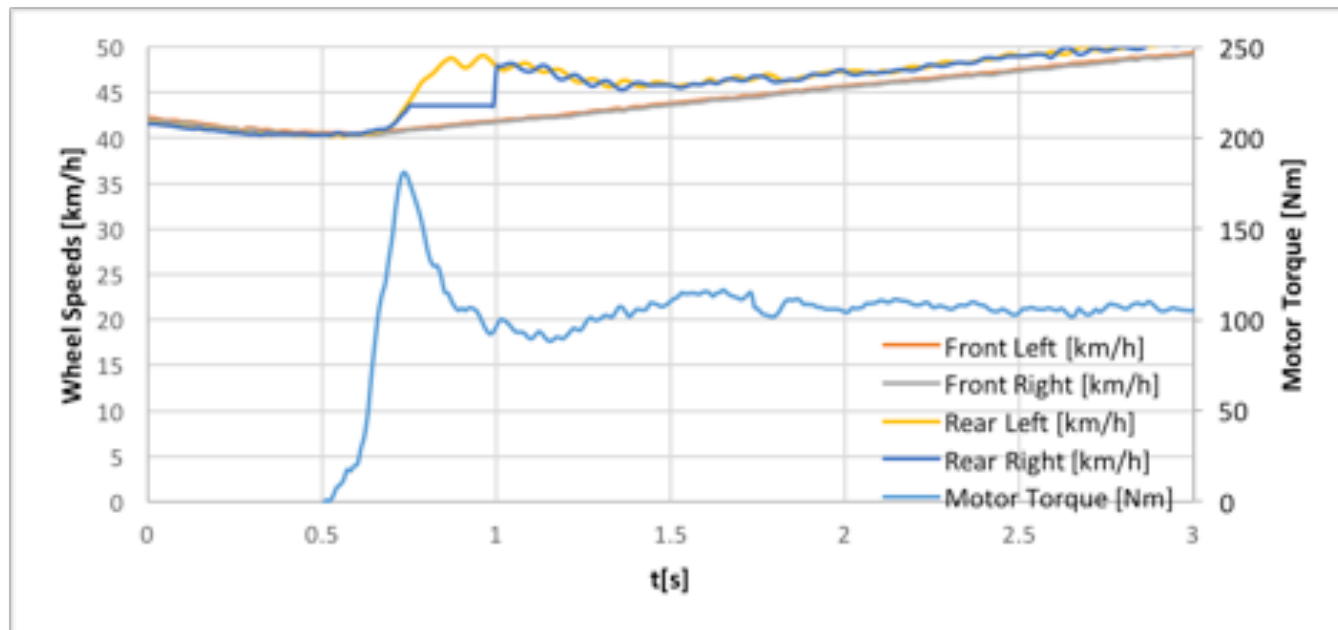**To get full mark, please structure your answer to fully cover requirements in A, B and C**
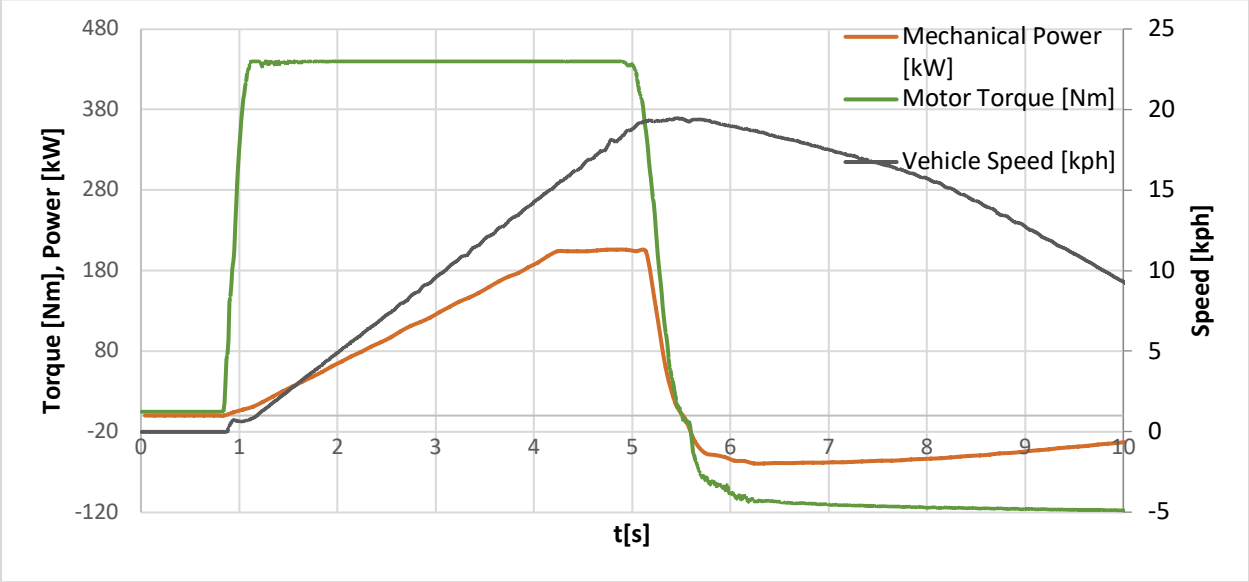
Trace 1:

Trace 2:

Trace 3:

Trace 4:

Trace 5:

Trace 6:

2. **Coding Test**

Please find LV-INTERN PROGRAMMING EVALUATION.zip as sent to you together with this written test. Complete all coding tests inside and finish the self-evaluation part.