Version: 04-04-18

2016 Honda 1.5L L15B7 Tier 3 Fuel - Test Data Plots

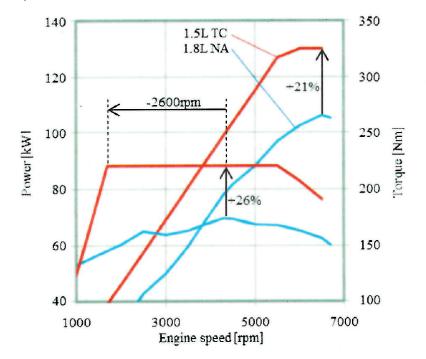
SUGGESTED CITATION: *2016 Honda 1.5L L15B7 Engine Tier 3 Fuel - Test Data Package.* Version 2018-04. Ann Arbor, MI: US EPA, National Vehicle and Fuel Emissions Laboratory, National Center for Advanced Technology, 2018.

- Dashed line indicates the maximum torque curve from published data
- Black dots indicate speed/load points at which steady state data was acquired
- △ Blue triangles indicate speed/load points at which initial data from the transient high load method was acquired
- Green triangles indicate speed/load points at which final data from the transient high load method was acquired
- × Red Xs indicate speed/load points where data was not collected or did not meet quality standards

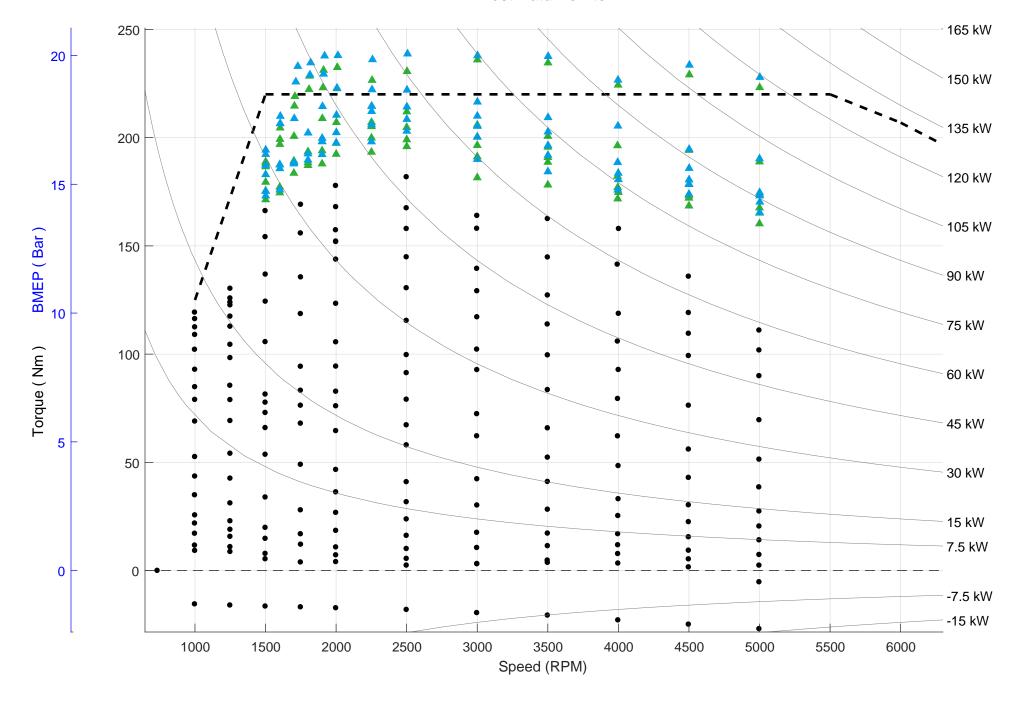
Note: In these contour plots, individual data points may be ignored or removed, using our best engineering judgment, to correct irregularities in the visual presentation of the contour lines; additional details are contained in the test report.

Published maximum torque data from:

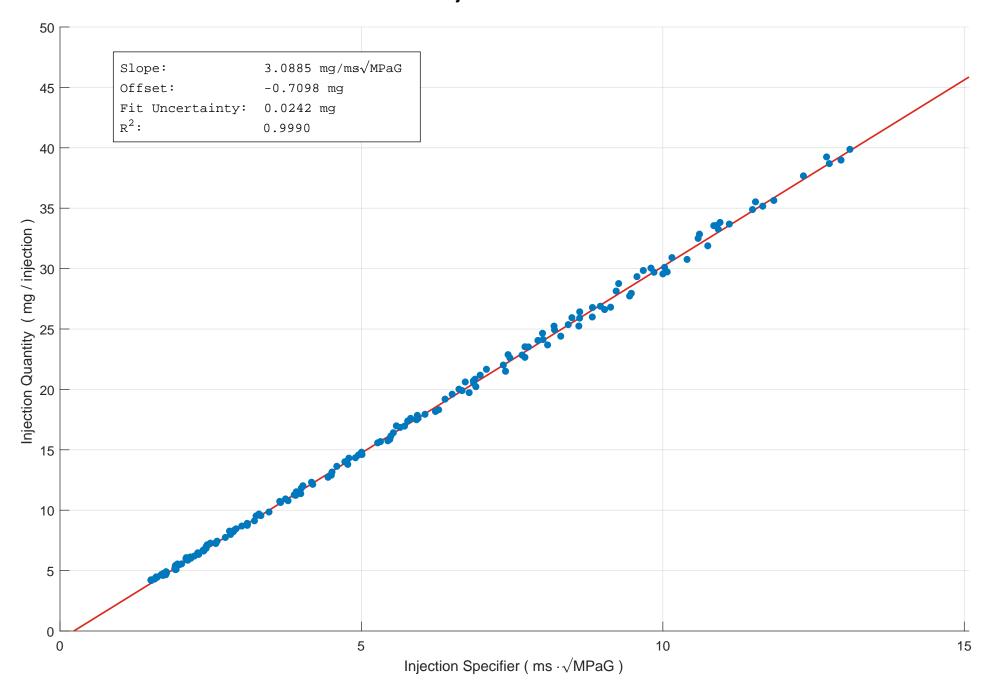
Wada, Y., Nakano, K., Mochizuki, K., and Hata, R., "Development of a New 1.5L I4 Turbocharged Gasoline Direct Injection Engine," SAE Technical Paper 2016-01-1020, 2016, doi:10.4271/2016-01-1020.

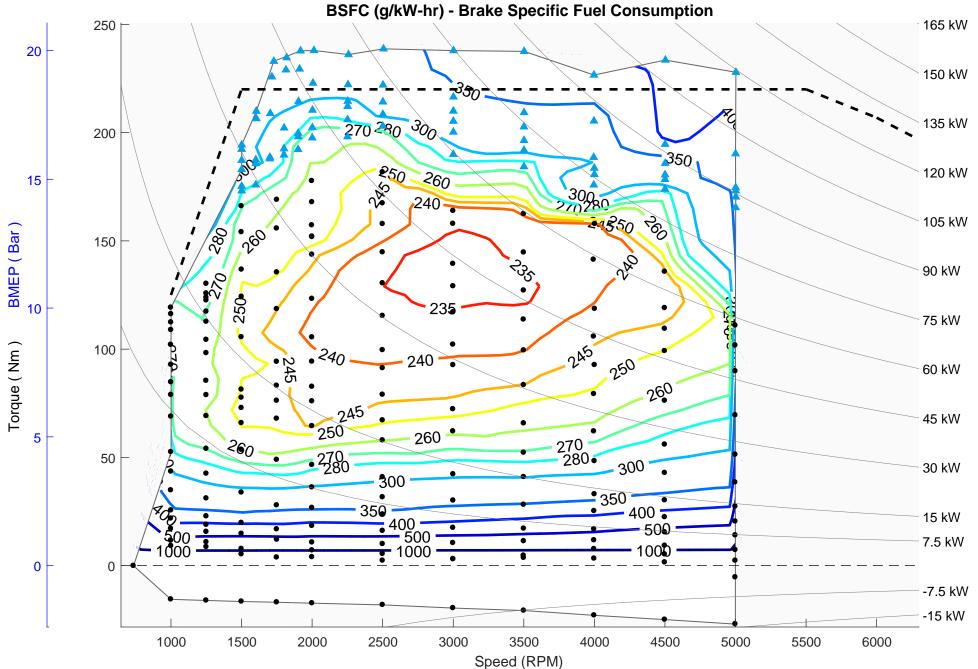


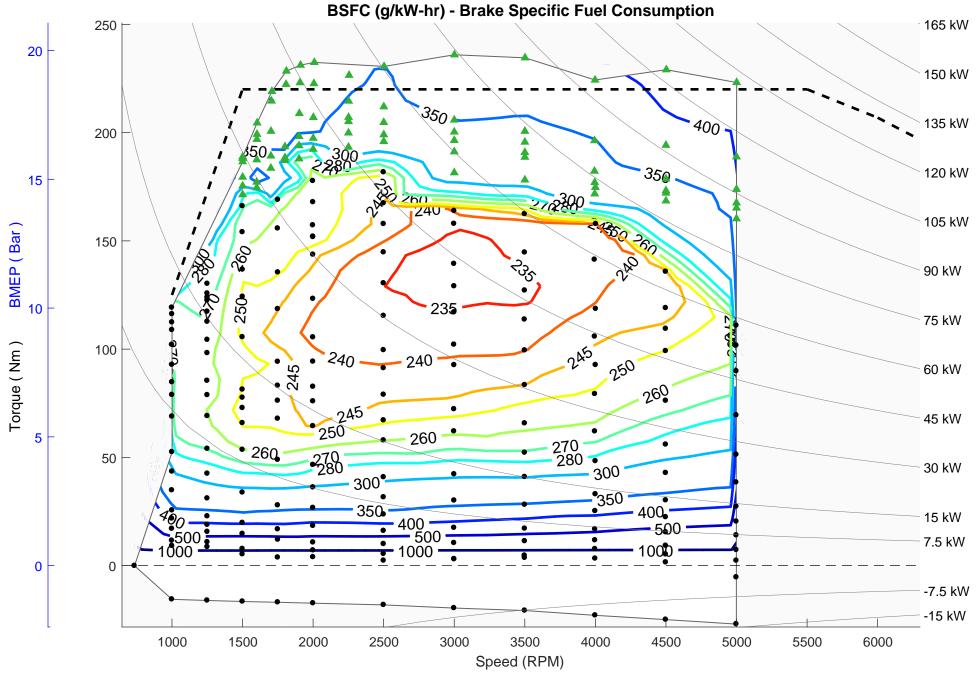
2016 Honda 1.5L L15B7 Engine Tier 3 Fuel - Test Data Plots
Test Data Points



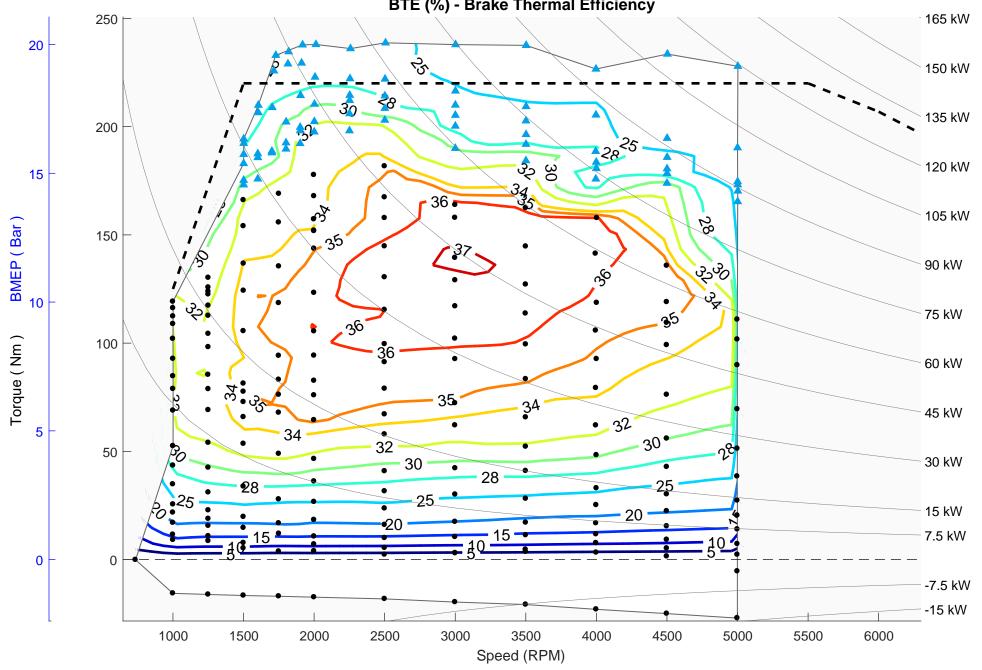
2016 Honda 1.5L L15B7 Tier 3 Fuel - Test Data Plots Injector Calibration



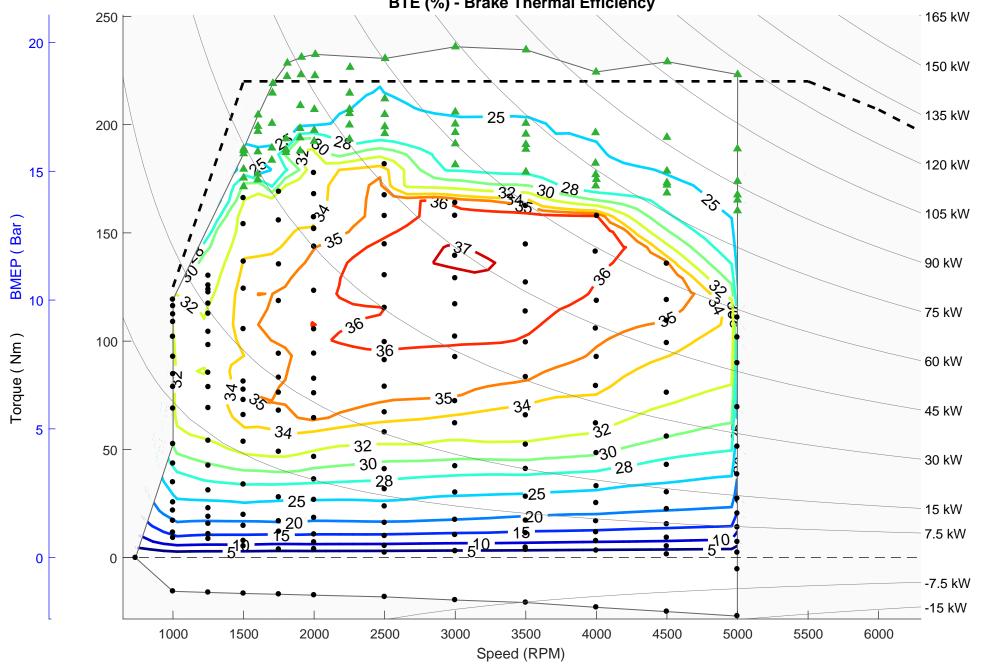


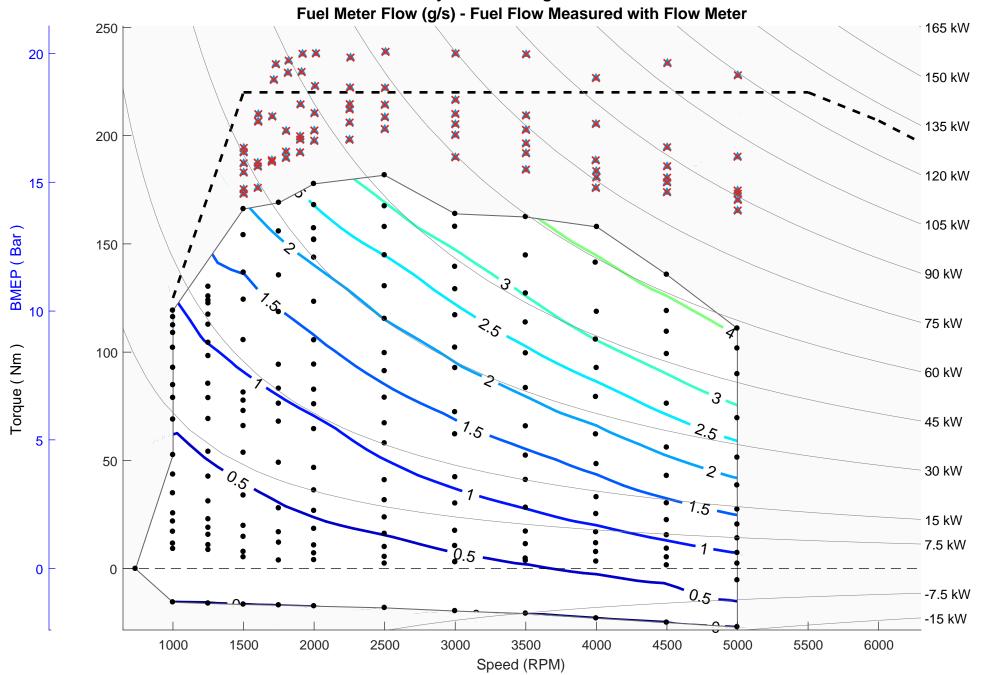


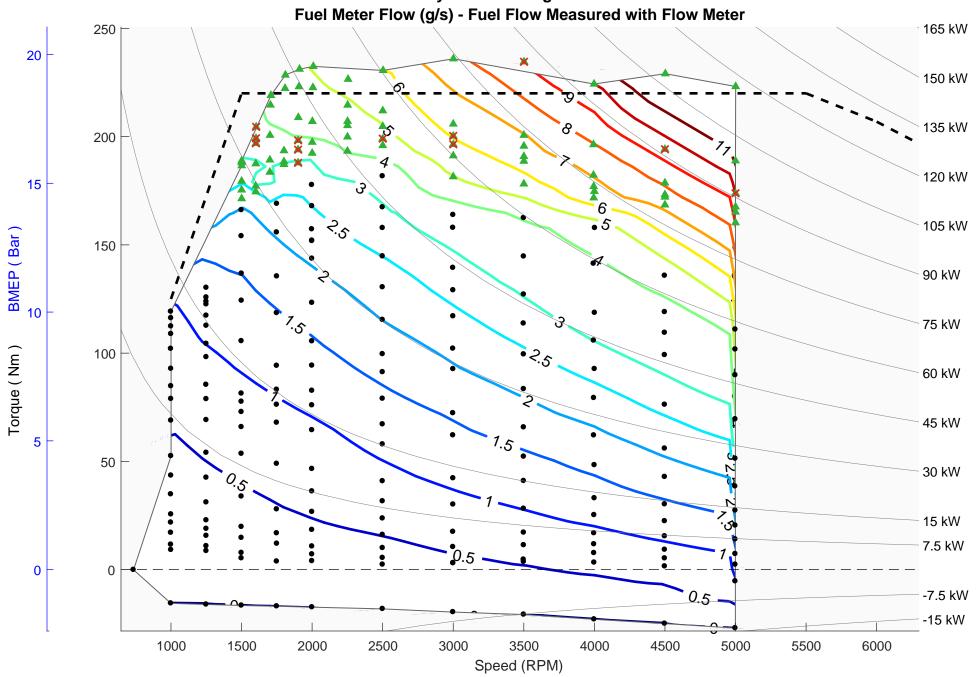
2016 Honda 1.5L L15B7 Engine Tier 3 Fuel - Test Data Plots Steady State and High Load Initial BTE (%) - Brake Thermal Efficiency

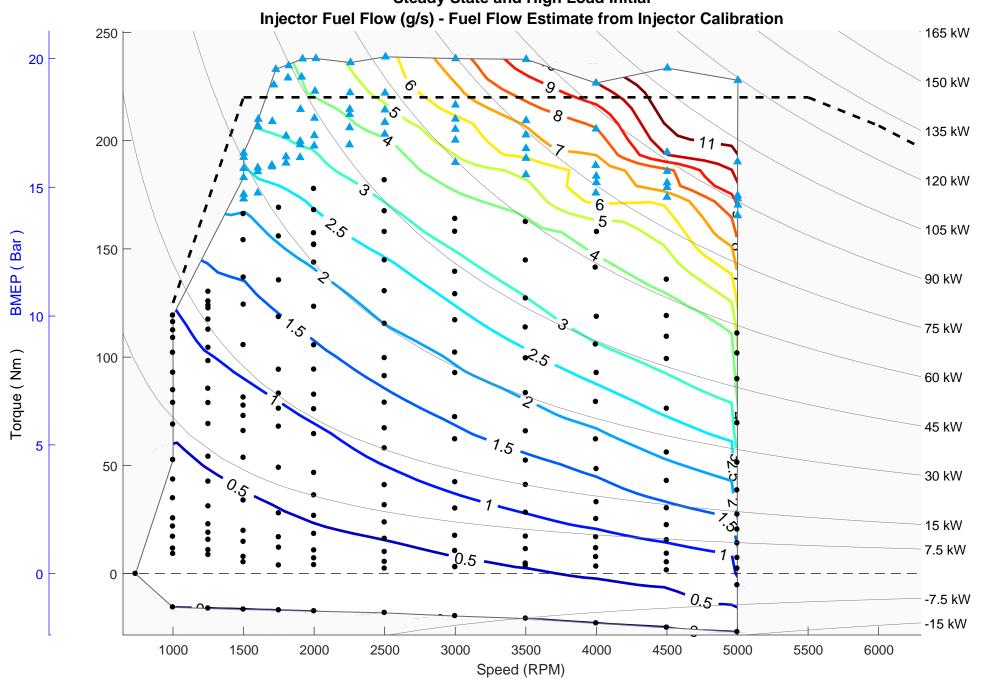


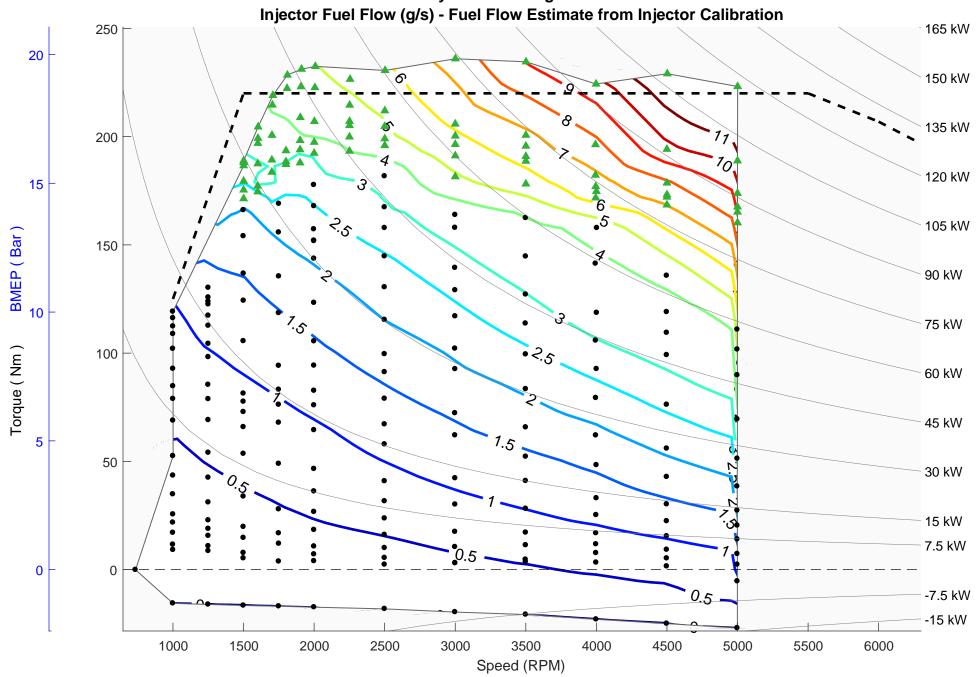
2016 Honda 1.5L L15B7 Engine Tier 3 Fuel - Test Data Plots Steady State and High Load Final BTE (%) - Brake Thermal Efficiency

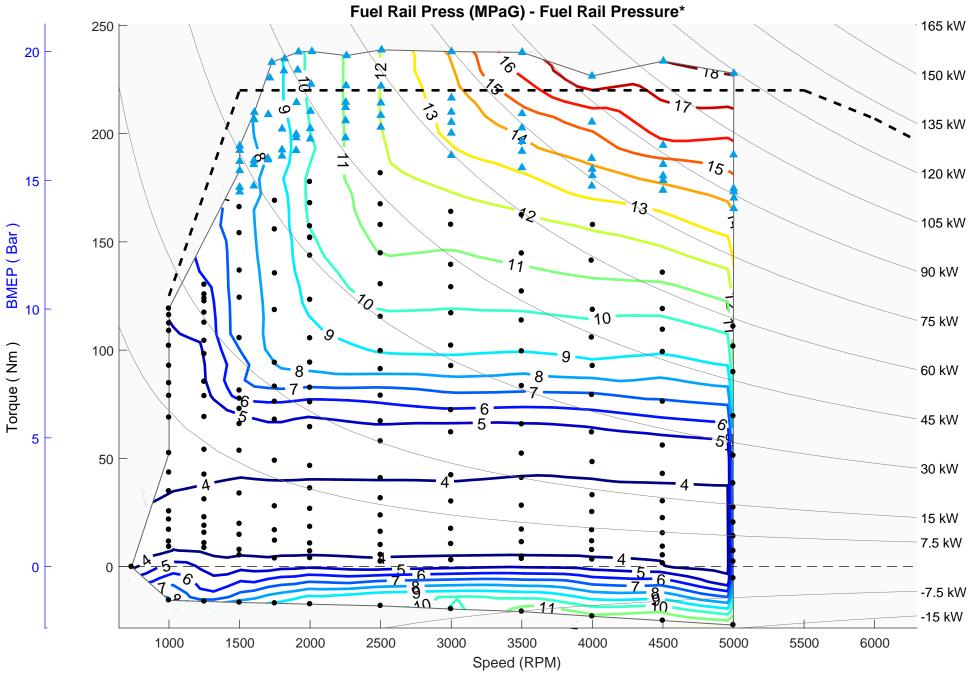






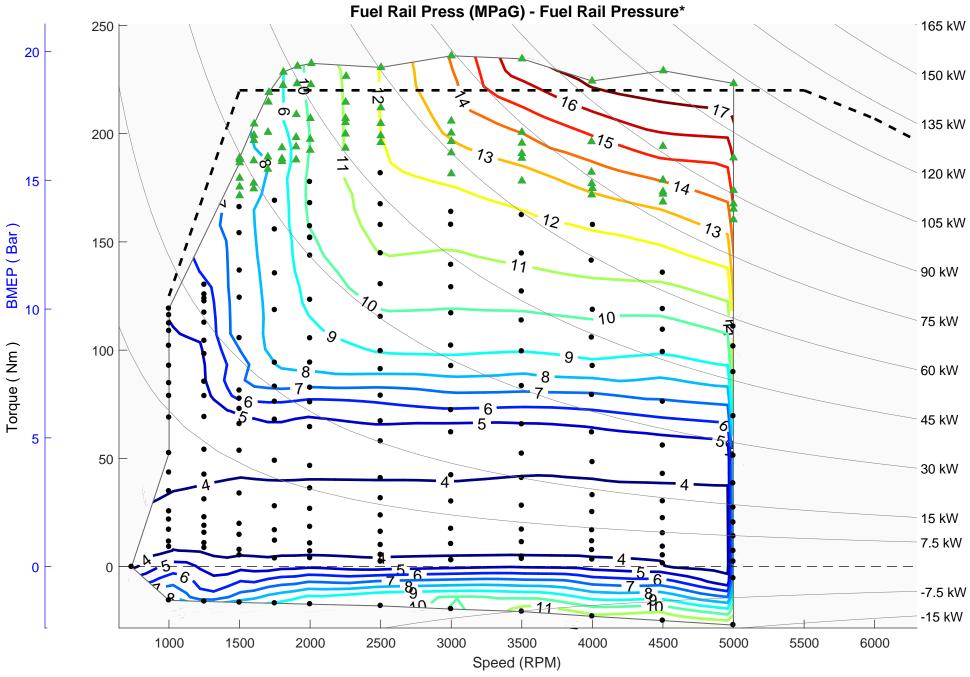




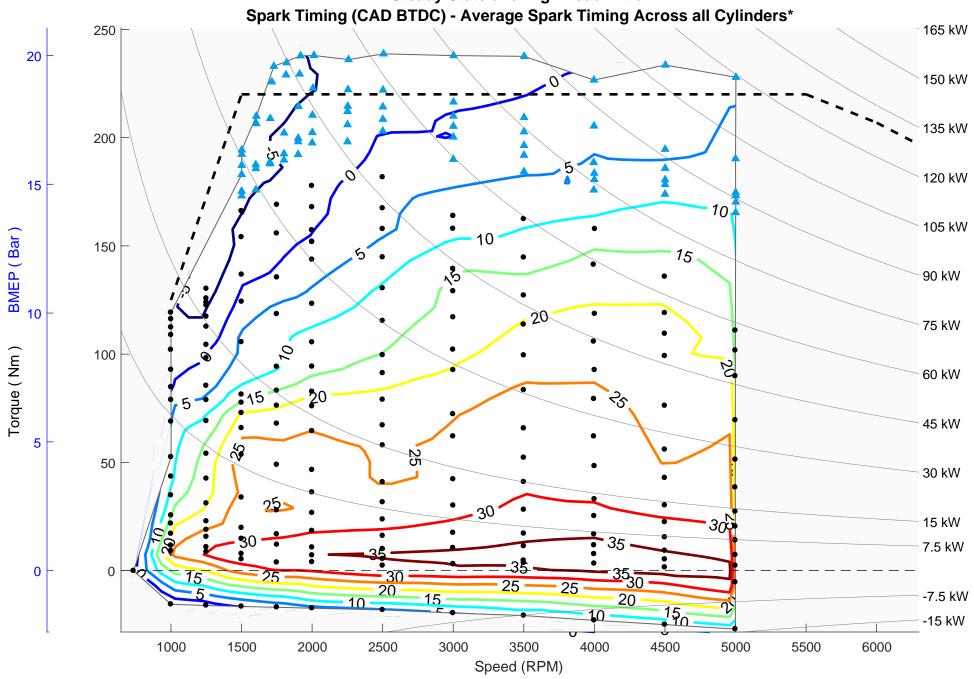


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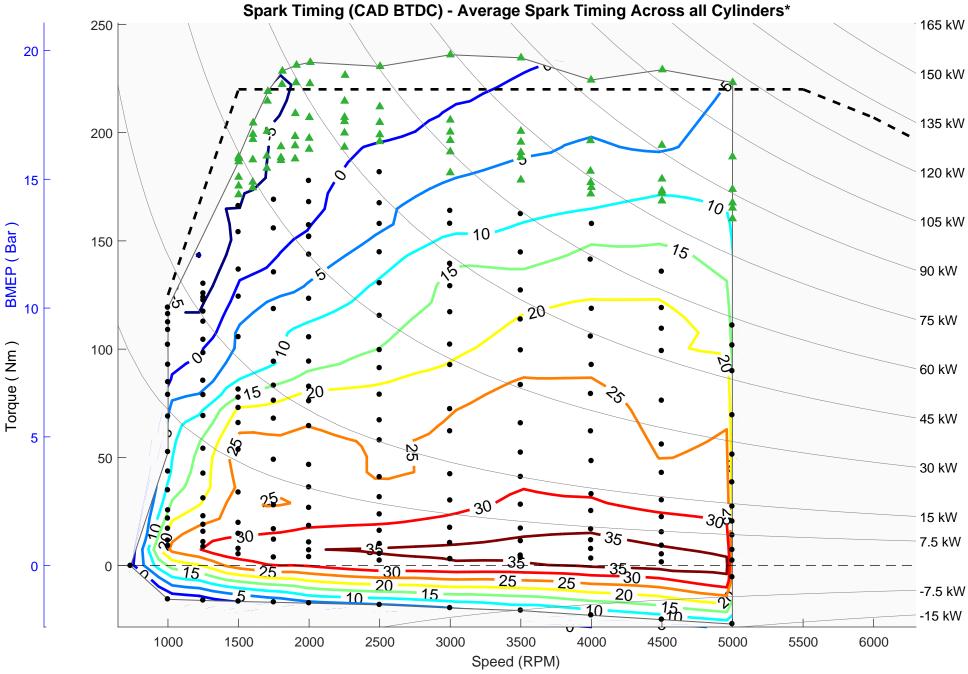
2016 Honda 1.5L L15B7 Engine Tier 3 Fuel - Test Data Plots Steady State and High Load Final Fuel Bail Bross (MBaG) - Fuel Bail Brossure*



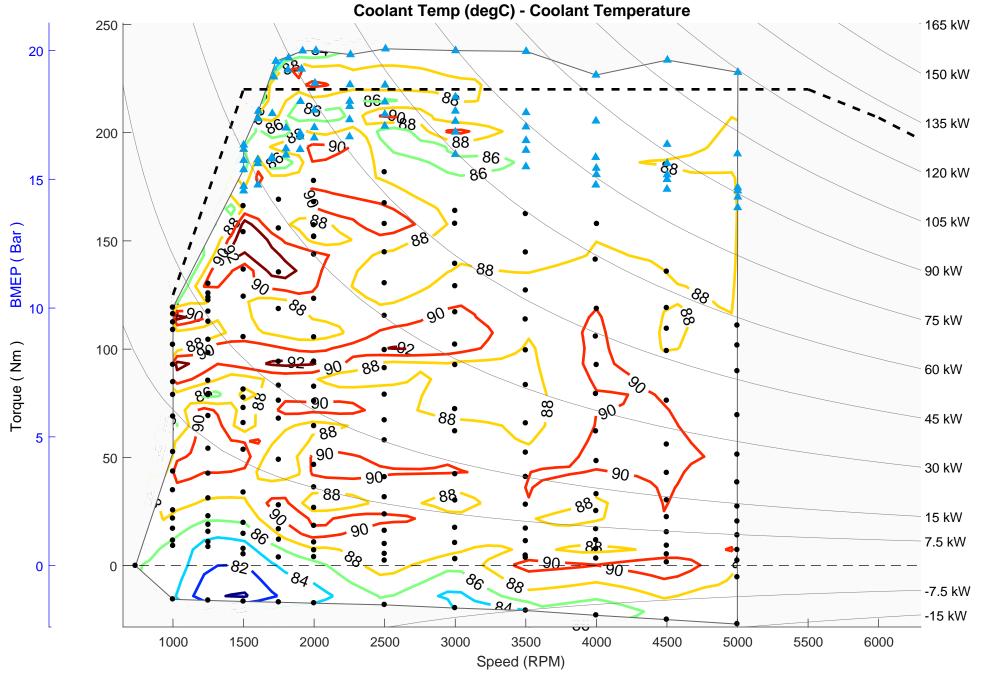
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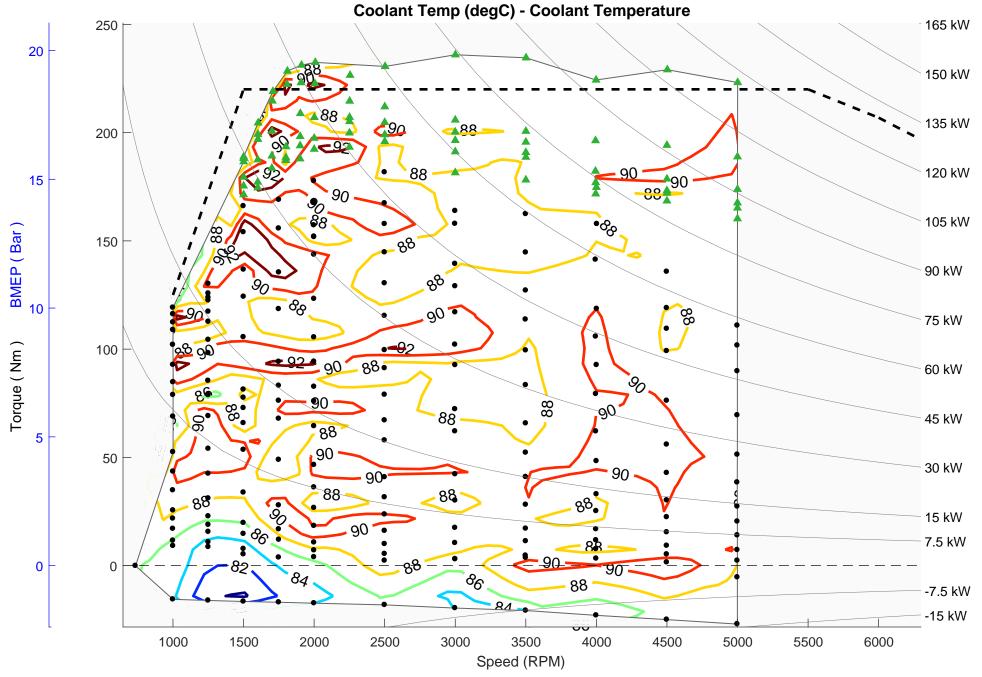


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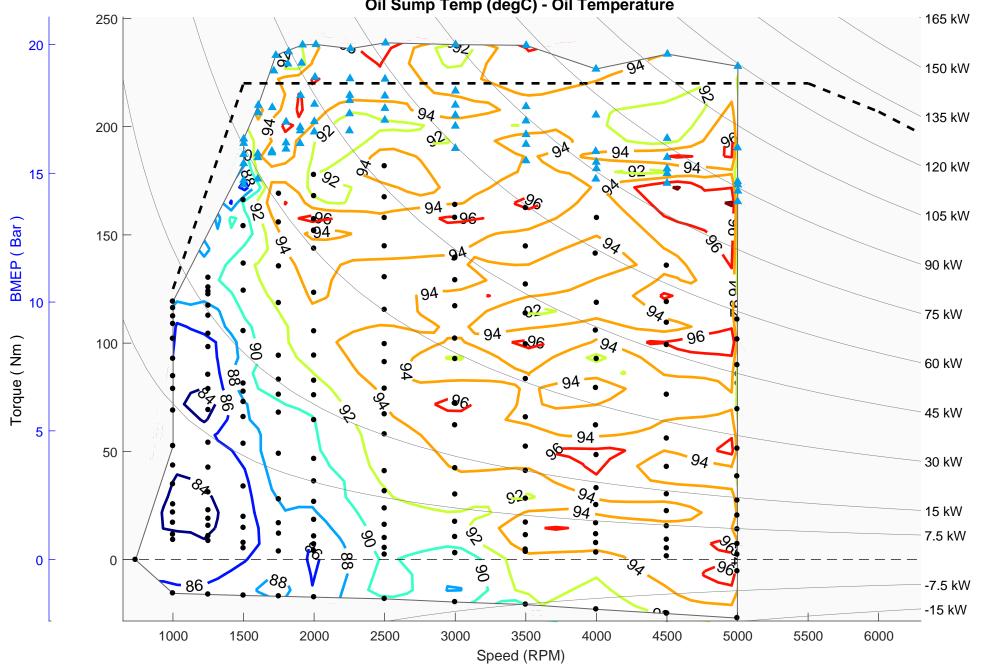


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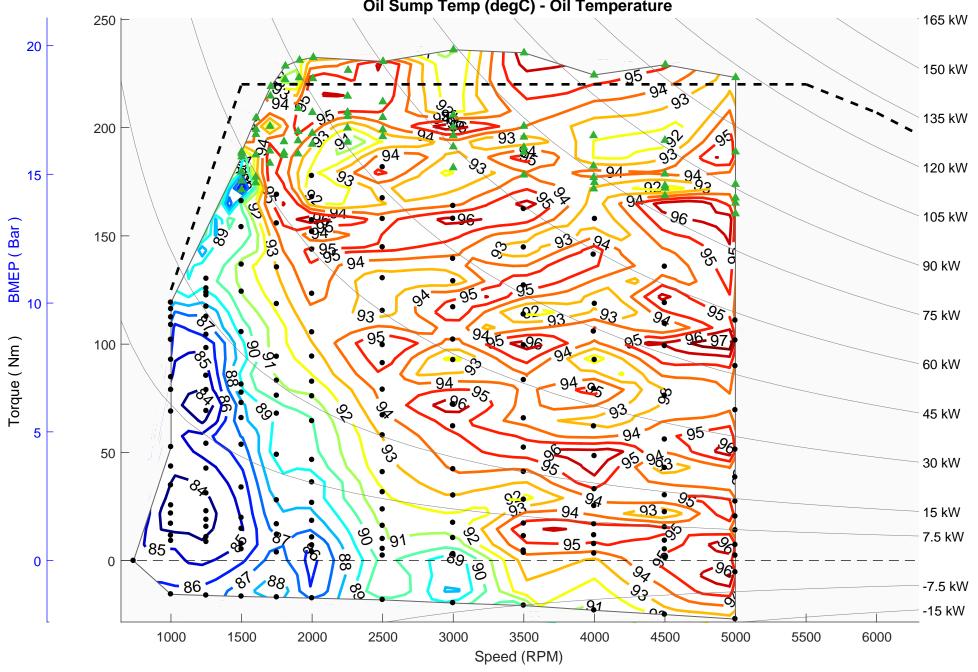


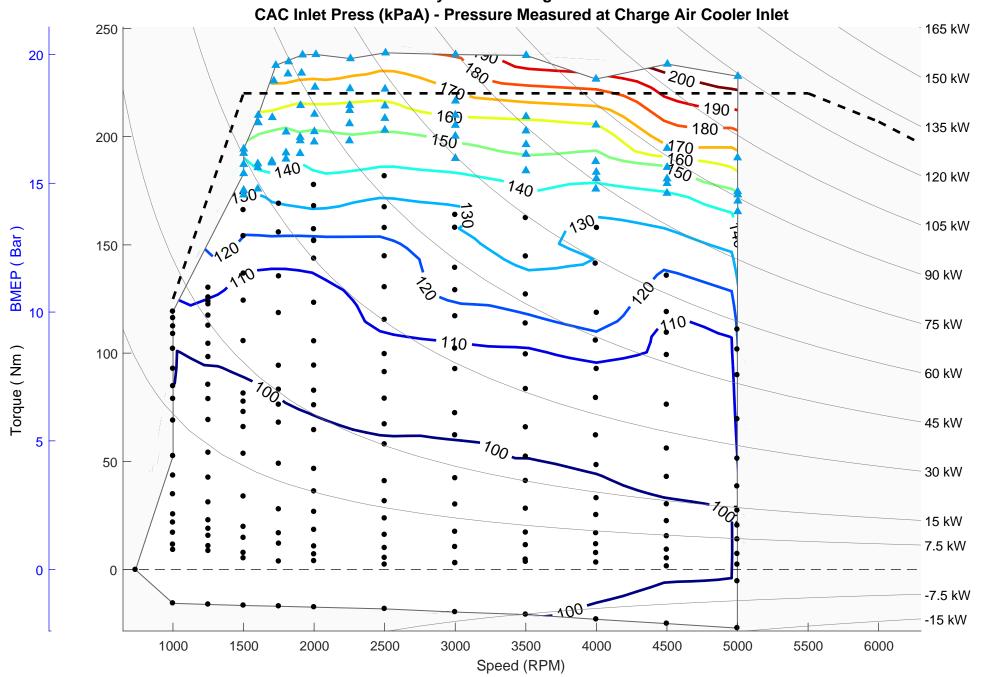


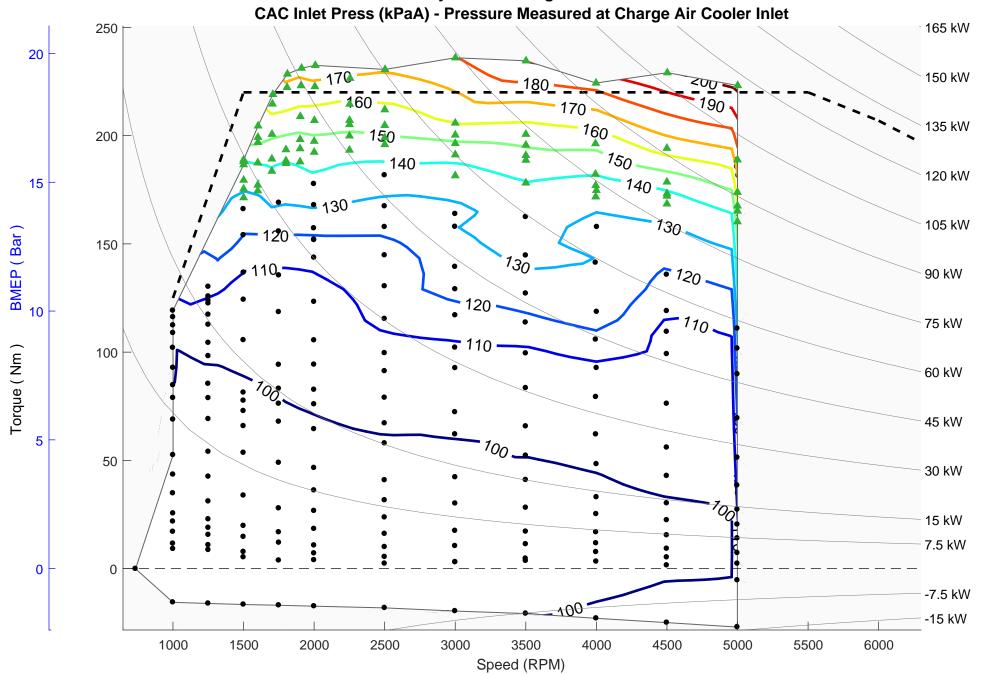
2016 Honda 1.5L L15B7 Engine Tier 3 Fuel - Test Data Plots Steady State and High Load Initial Oil Sump Temp (degC) - Oil Temperature

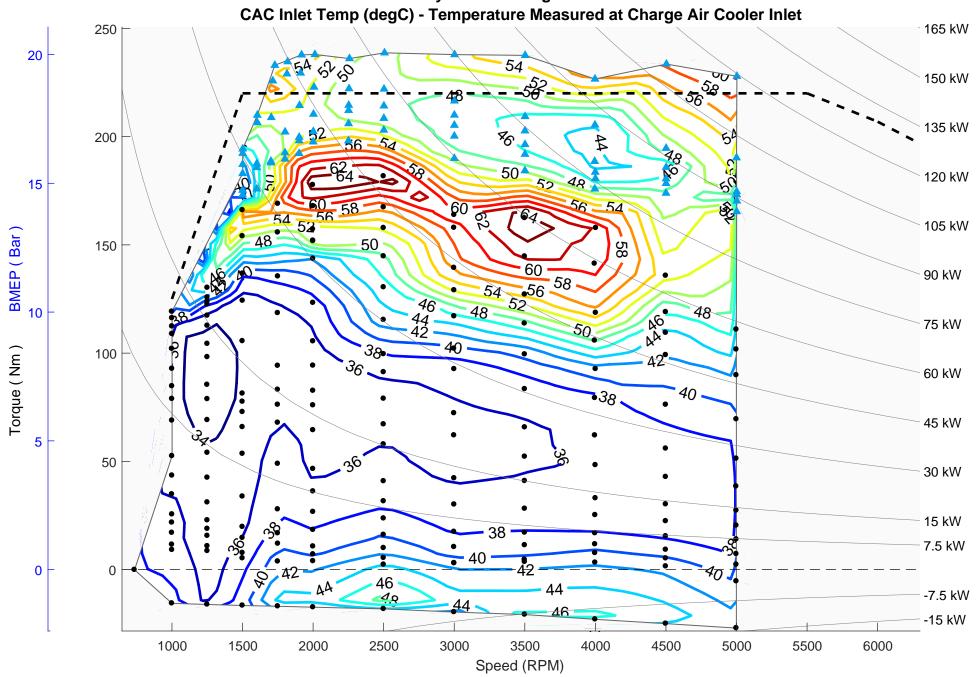


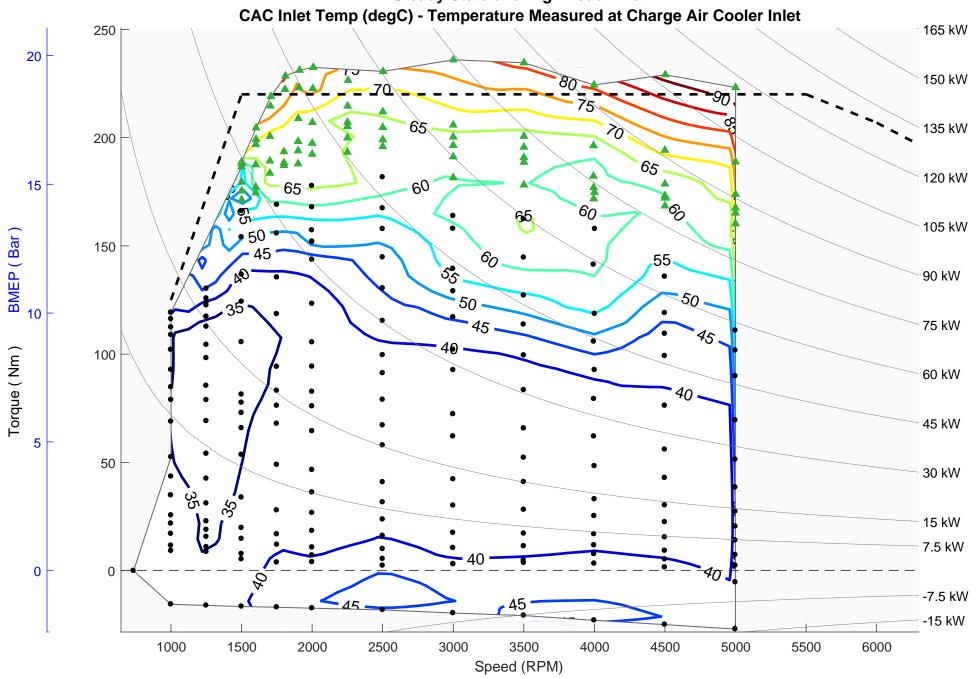
2016 Honda 1.5L L15B7 Engine Tier 3 Fuel - Test Data Plots Steady State and High Load Final Oil Sump Temp (degC) - Oil Temperature

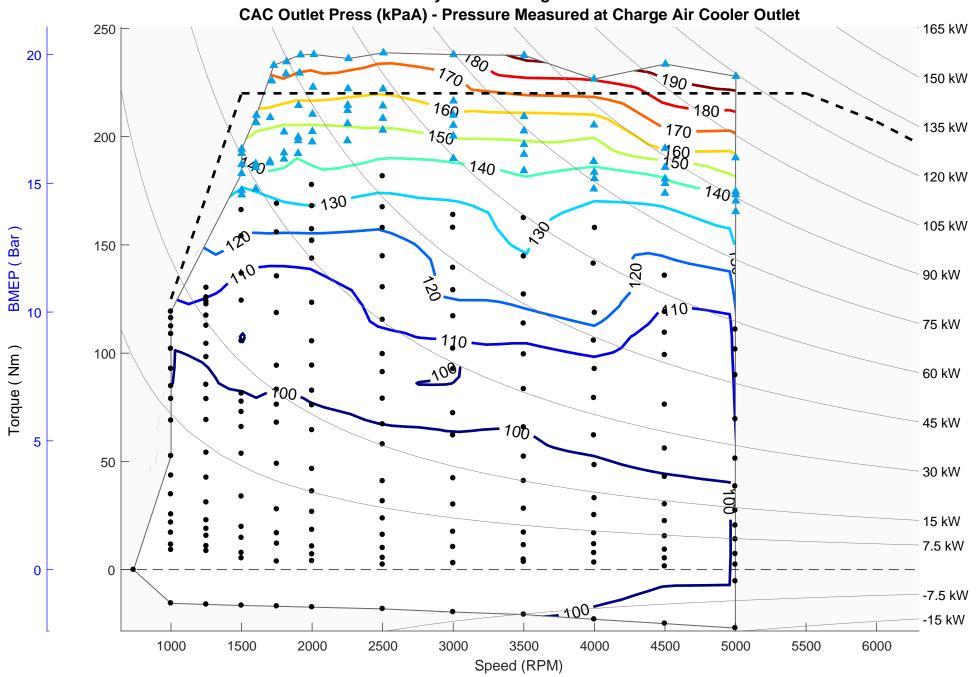


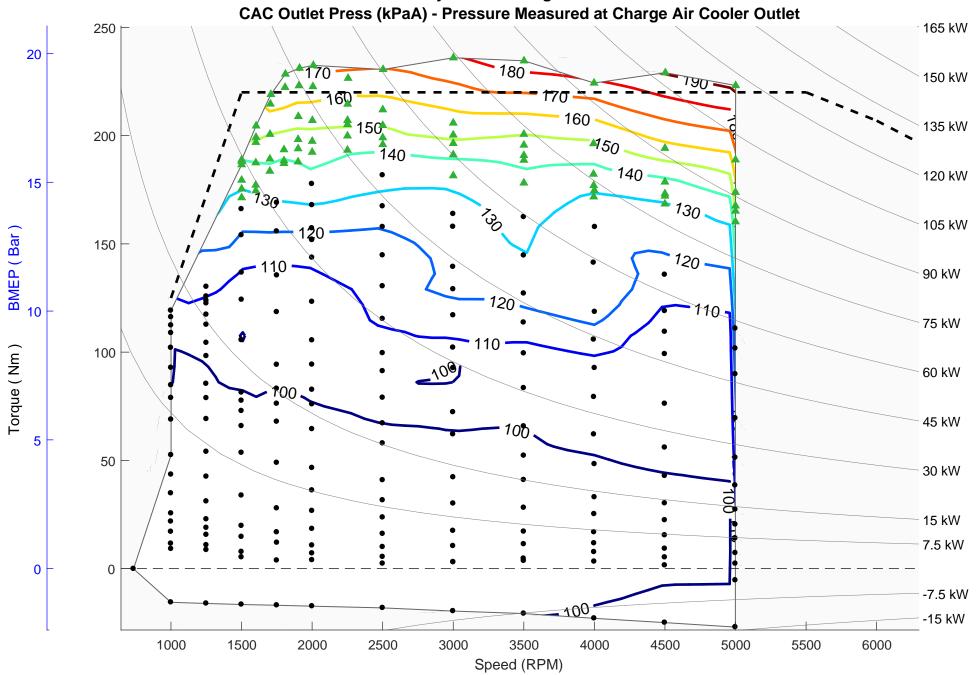


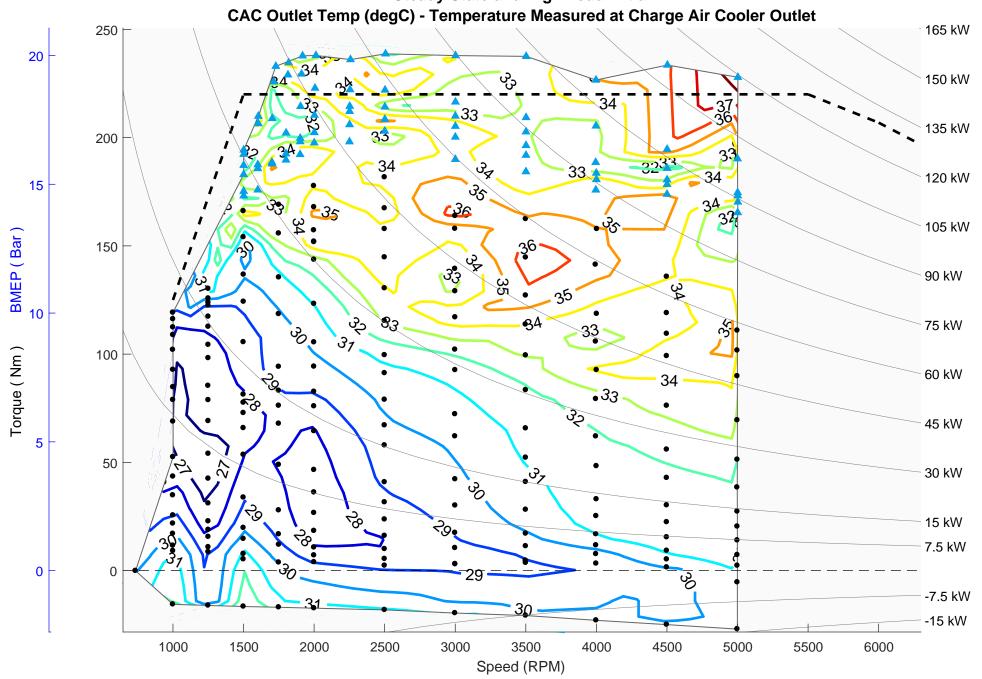


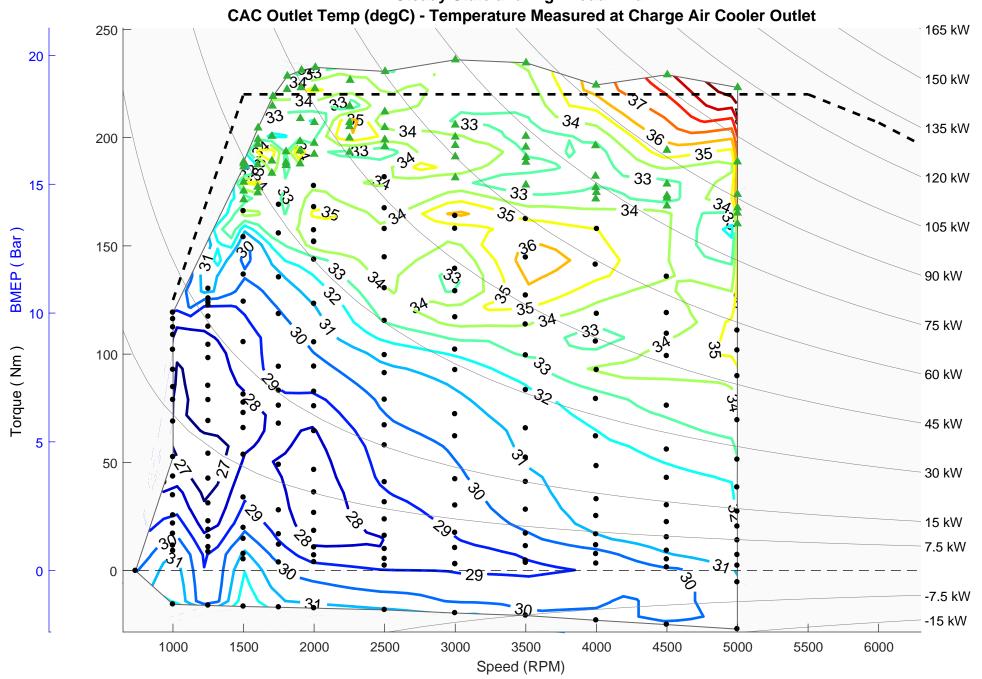


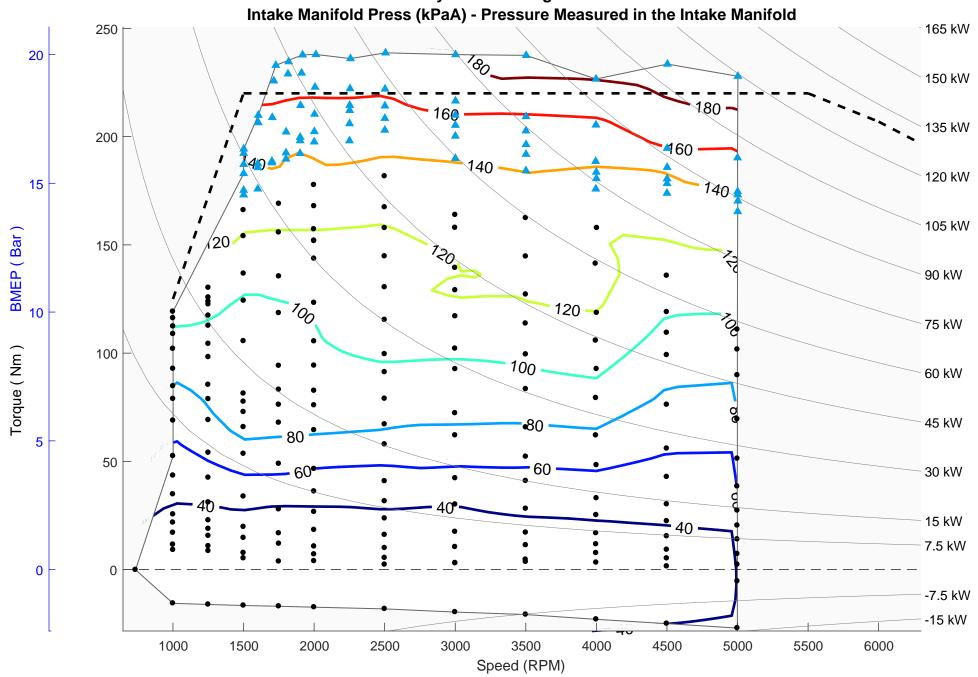


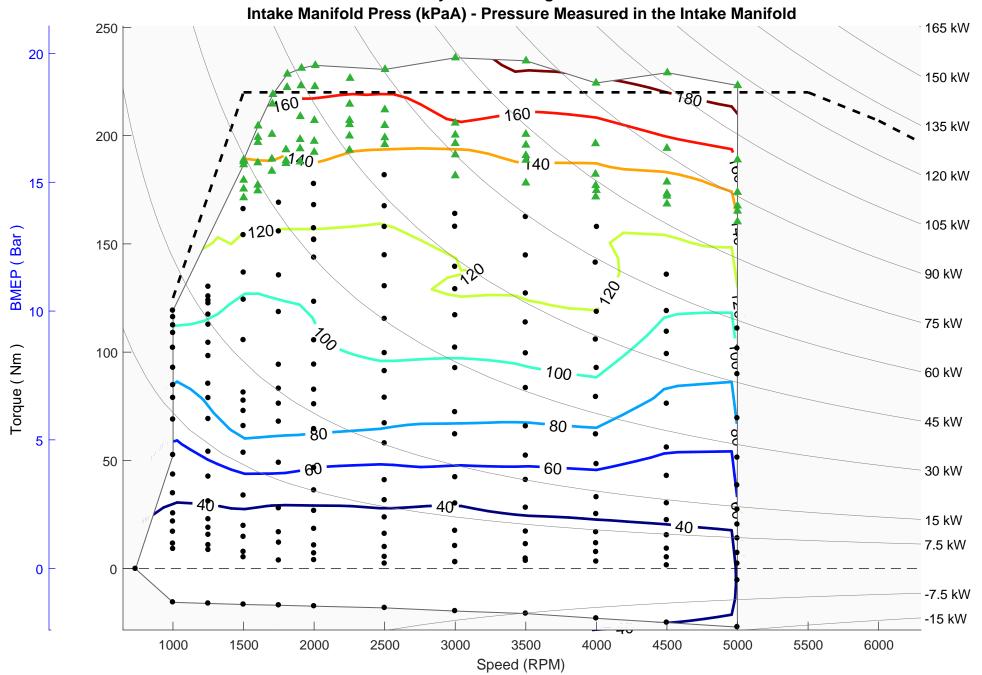


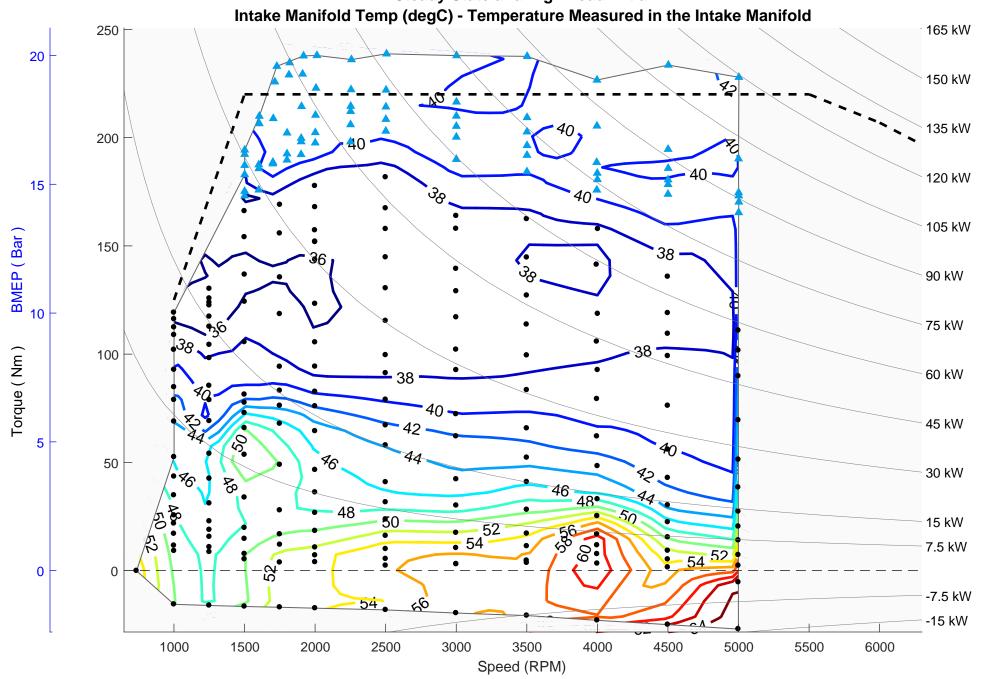


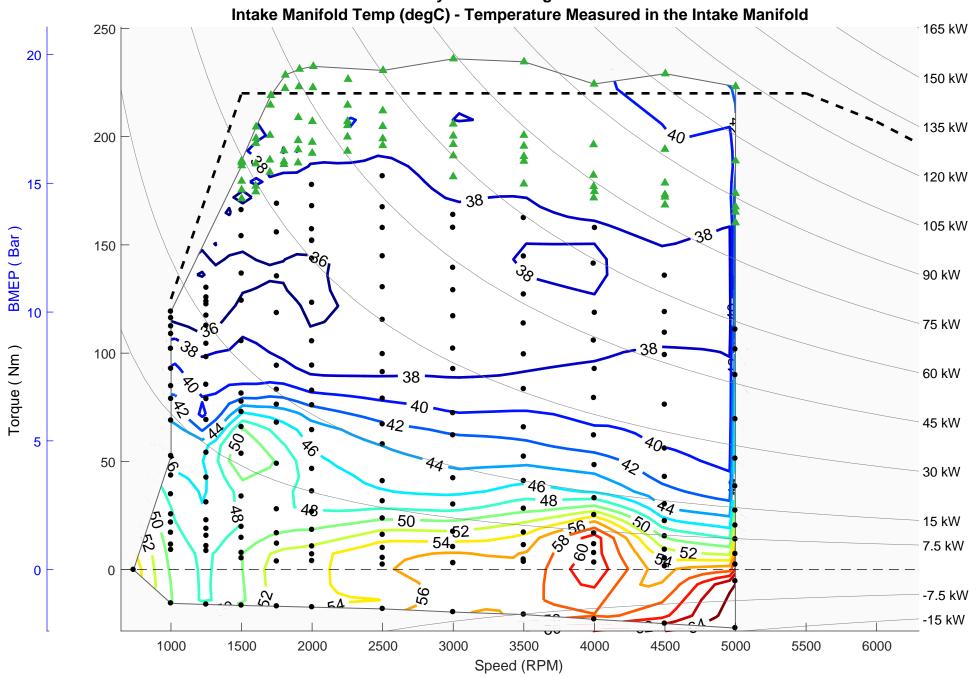


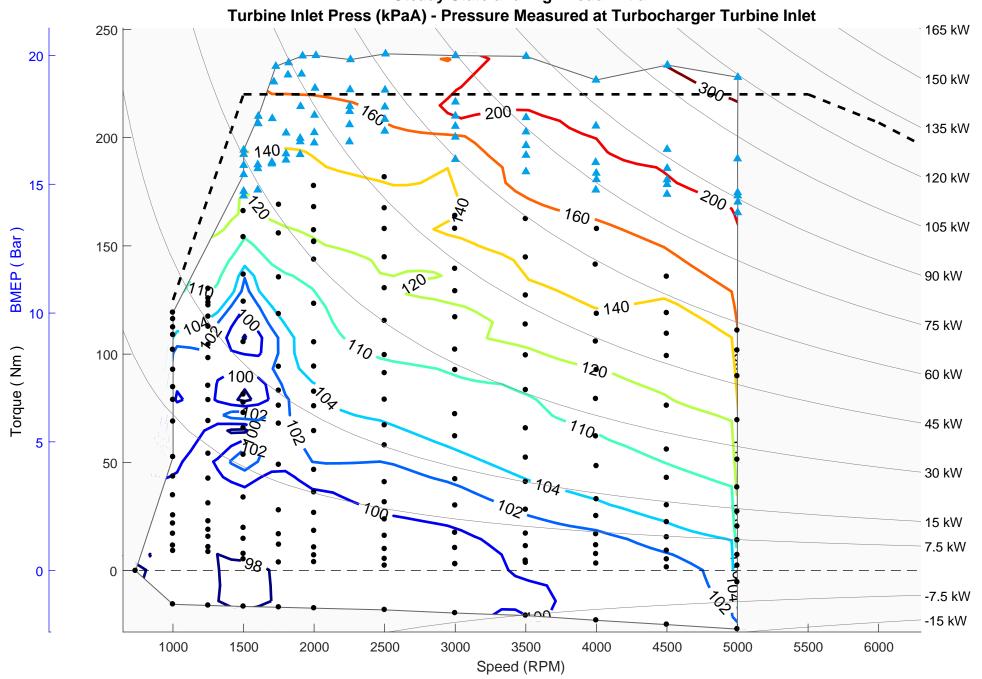


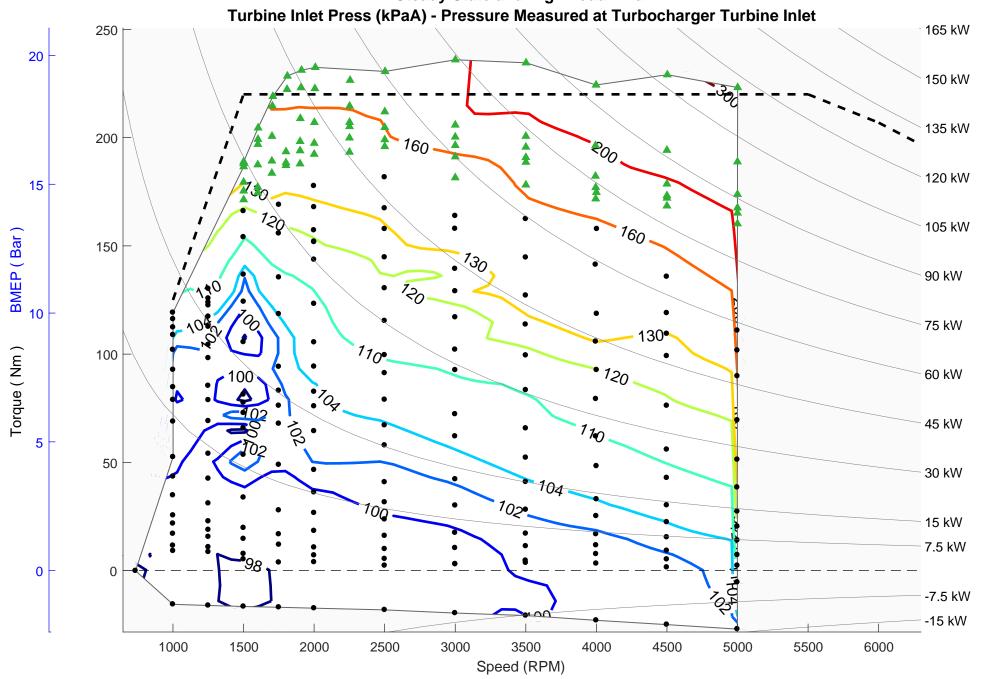


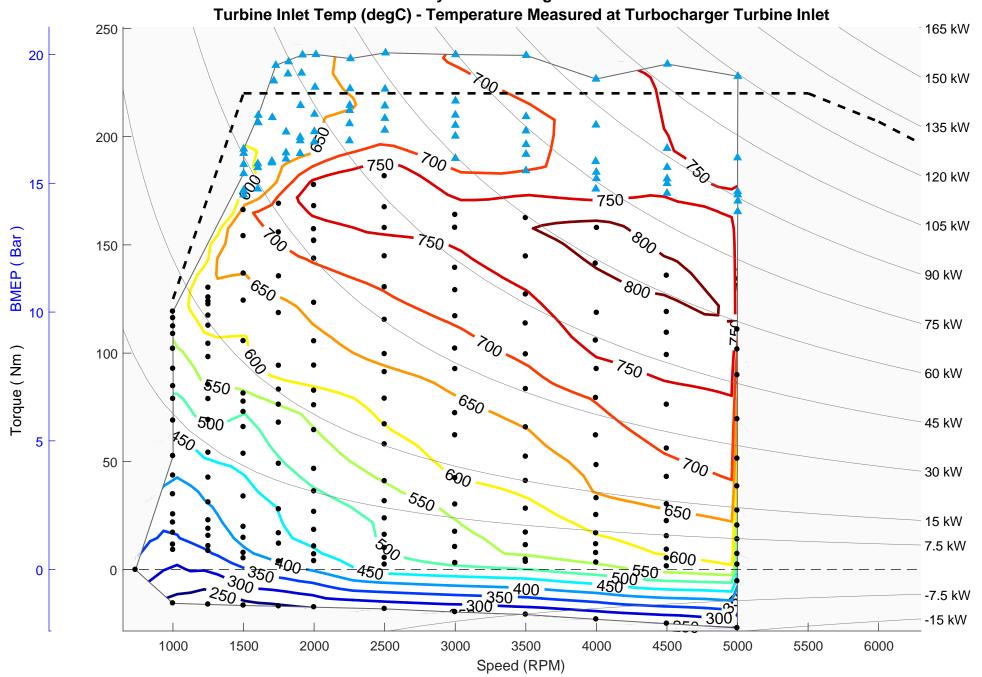


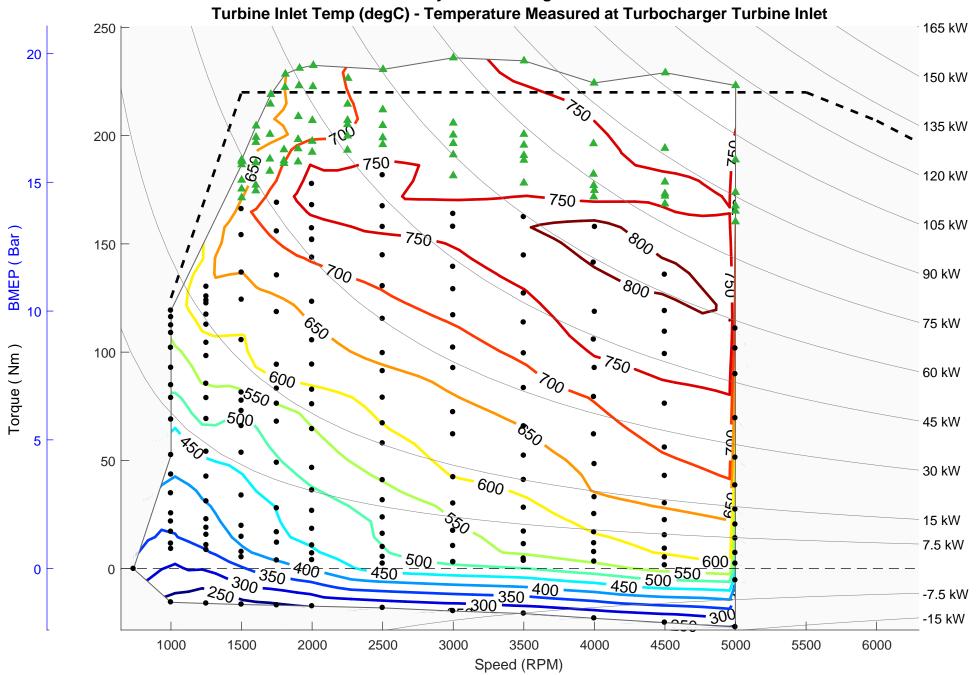


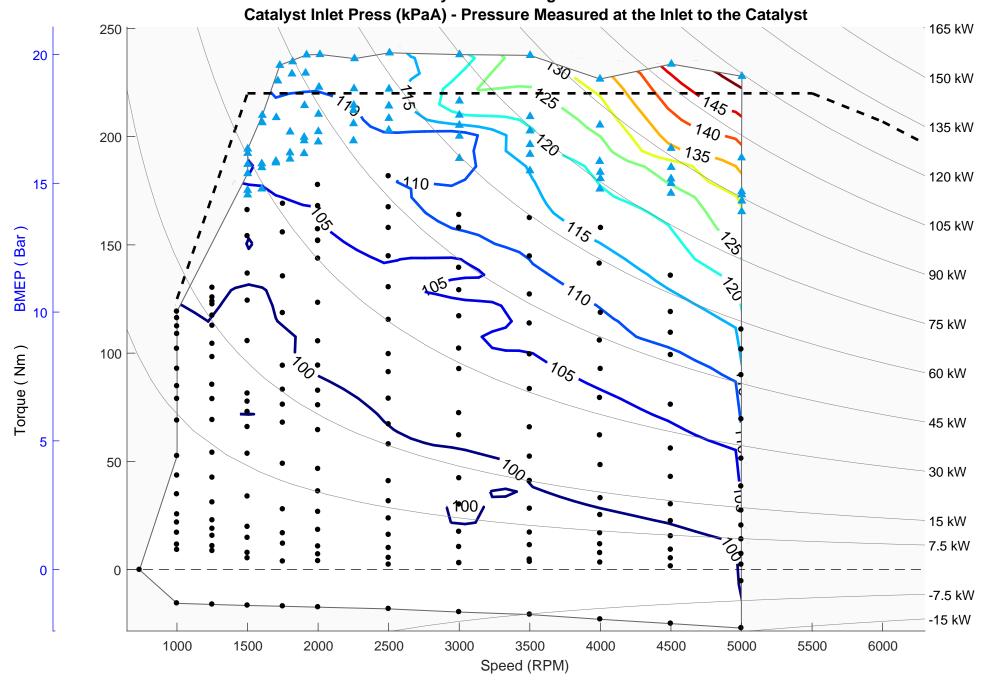


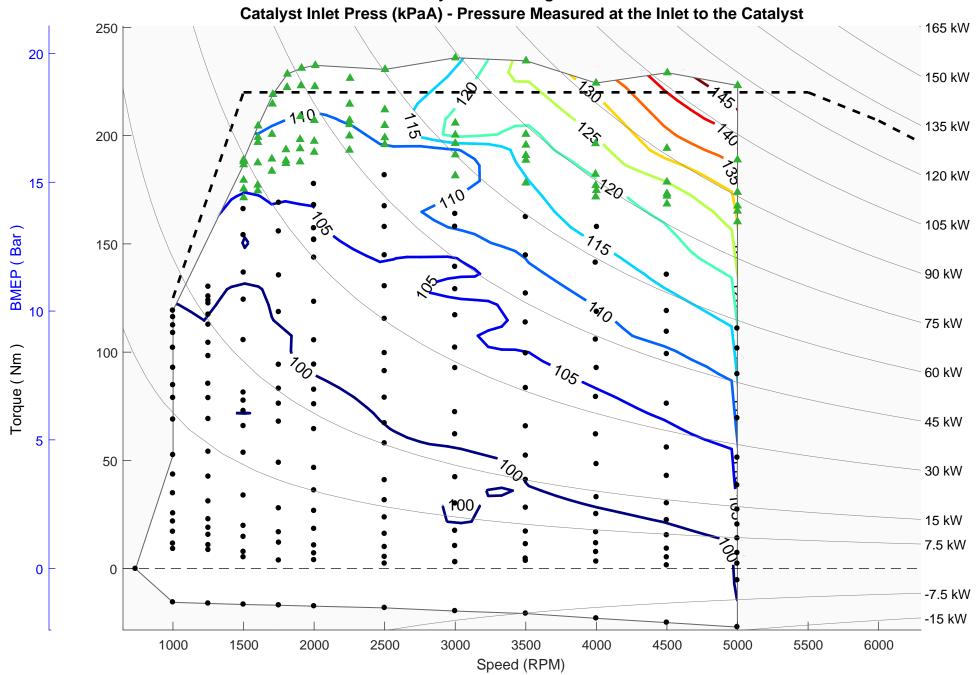


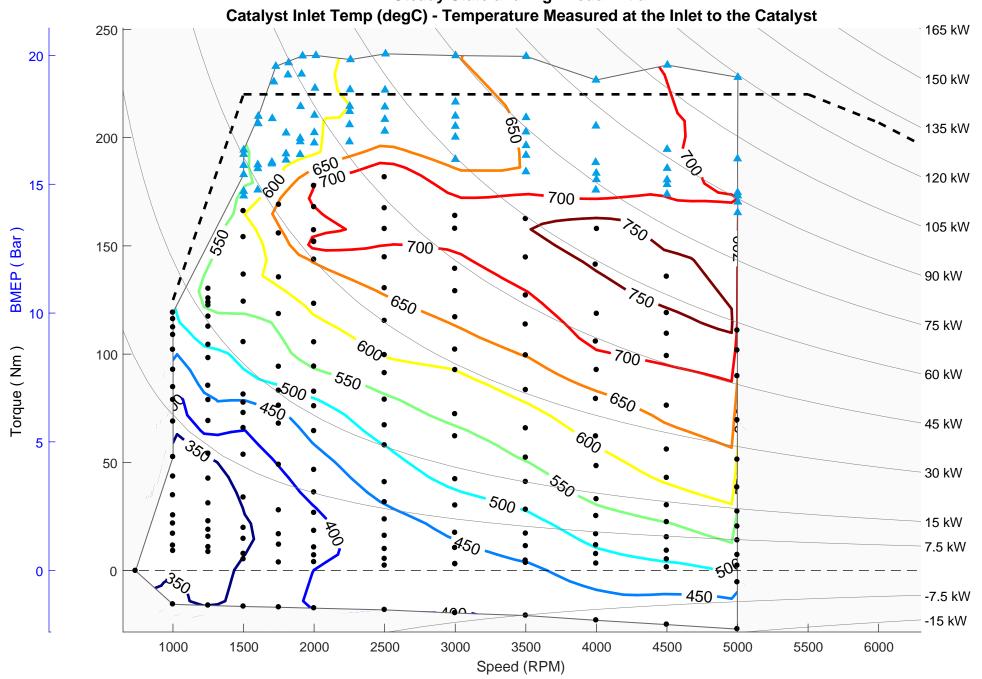


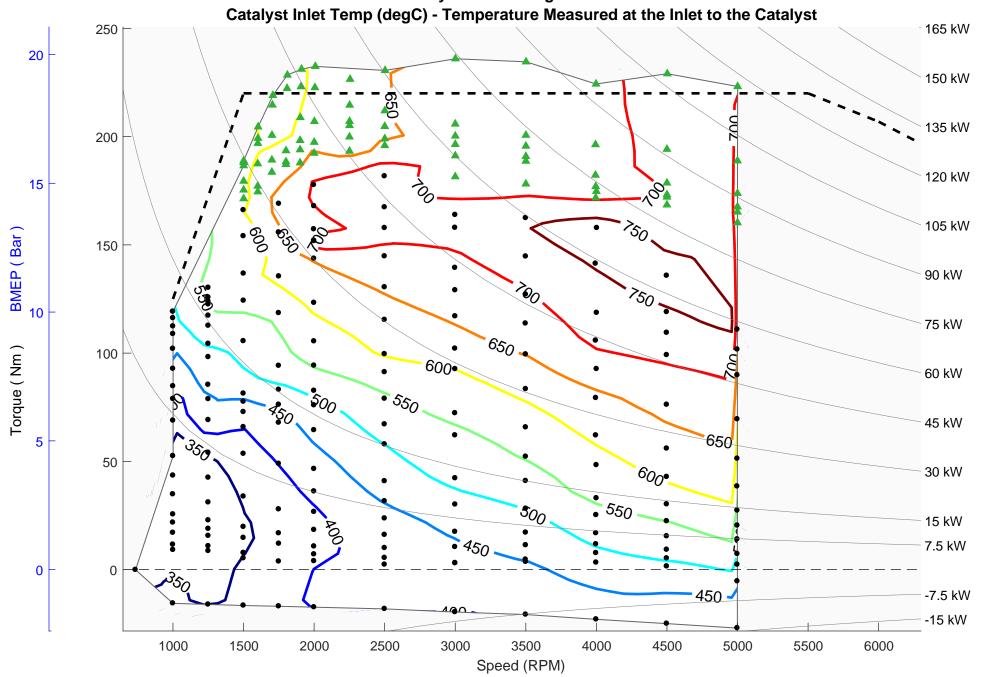


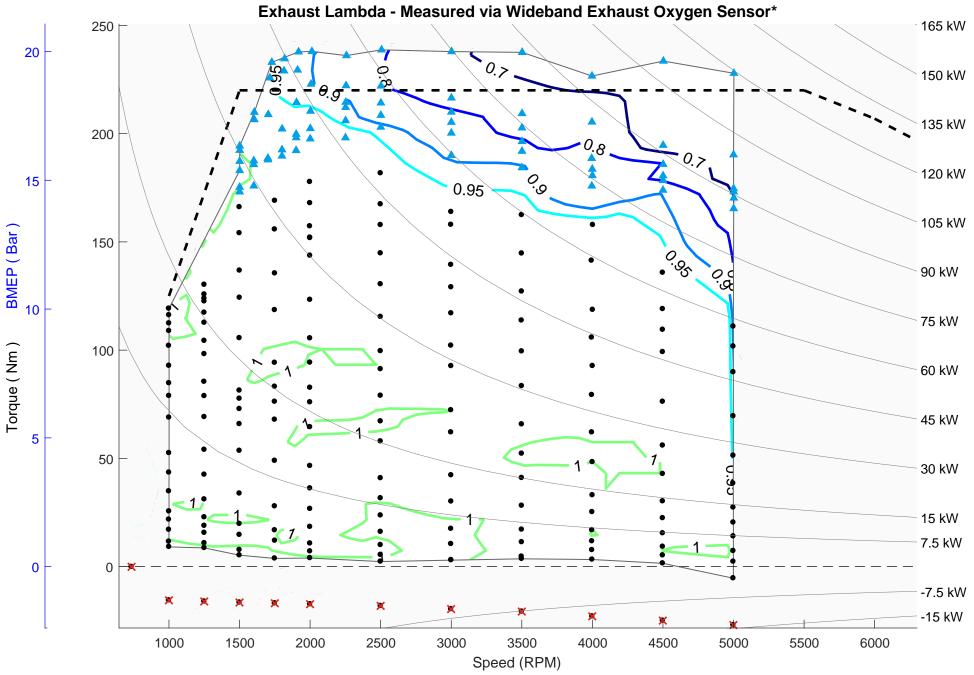




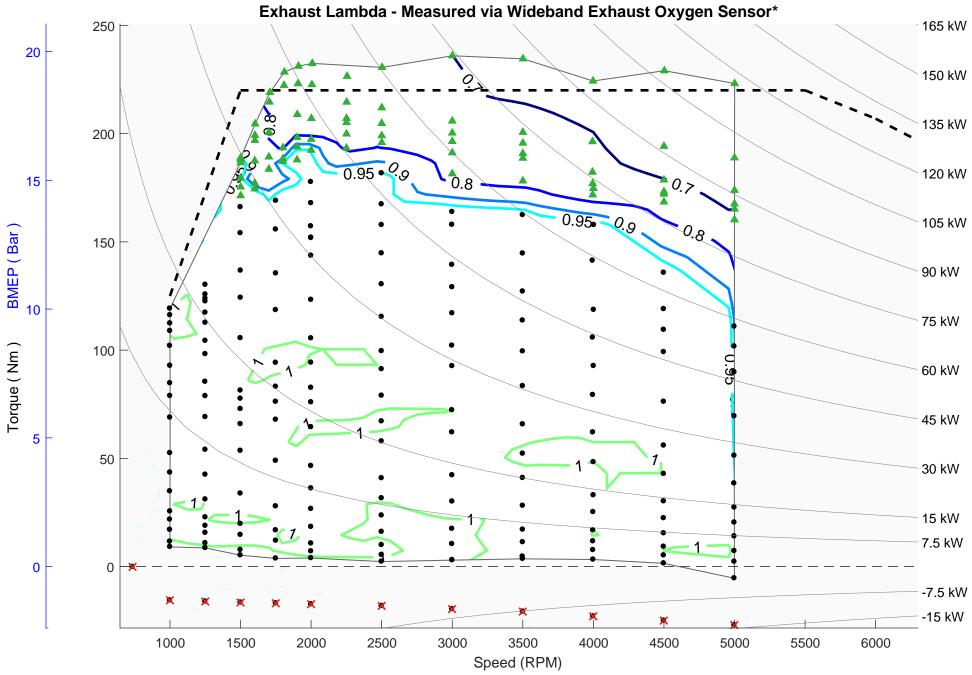








^{*} Reference Only



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