

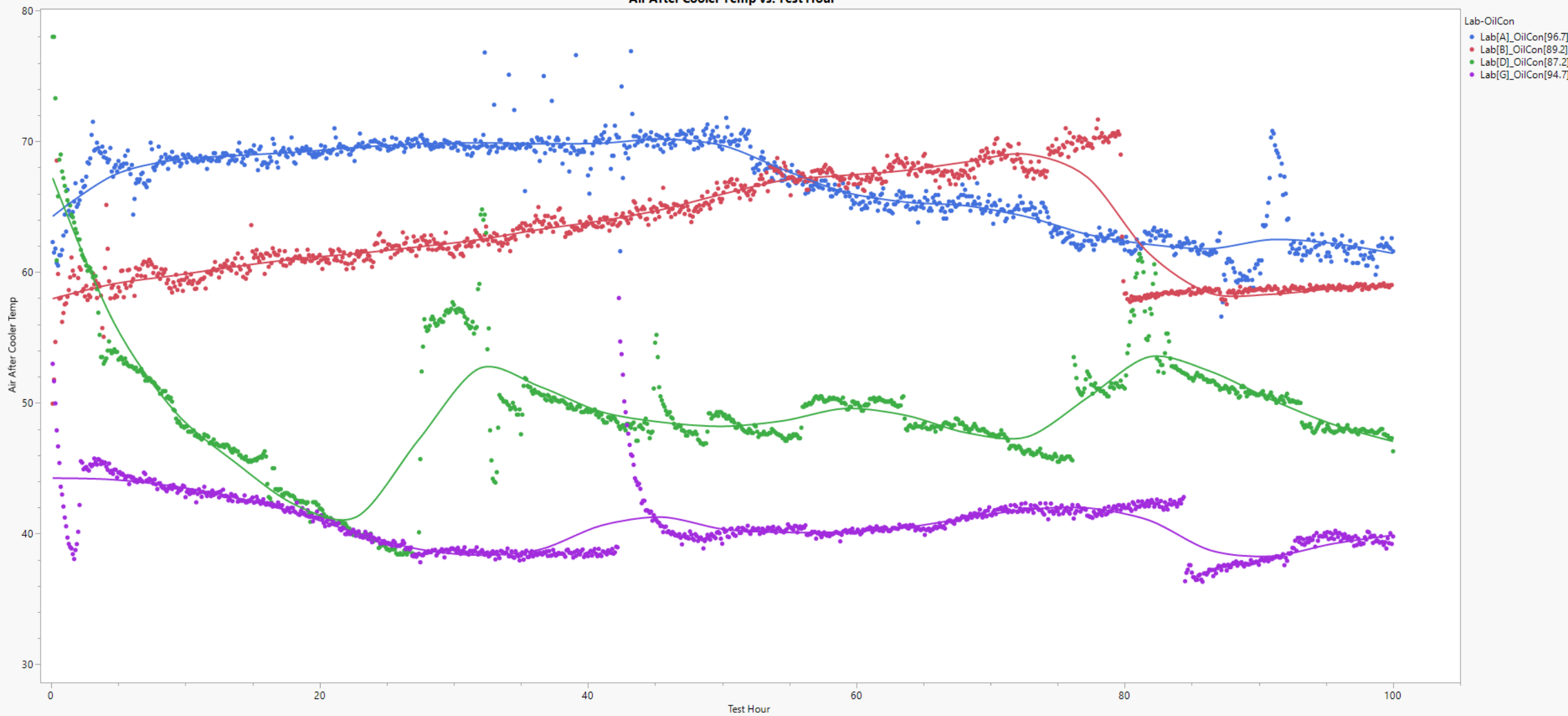
# T12 Operational Data Plots

By: Todd Dvorak

Date: 07-15-21

# Phase 1 – Data Plots

Air After Cooler Temp vs. Test Hour



Where(7999 rows excluded)

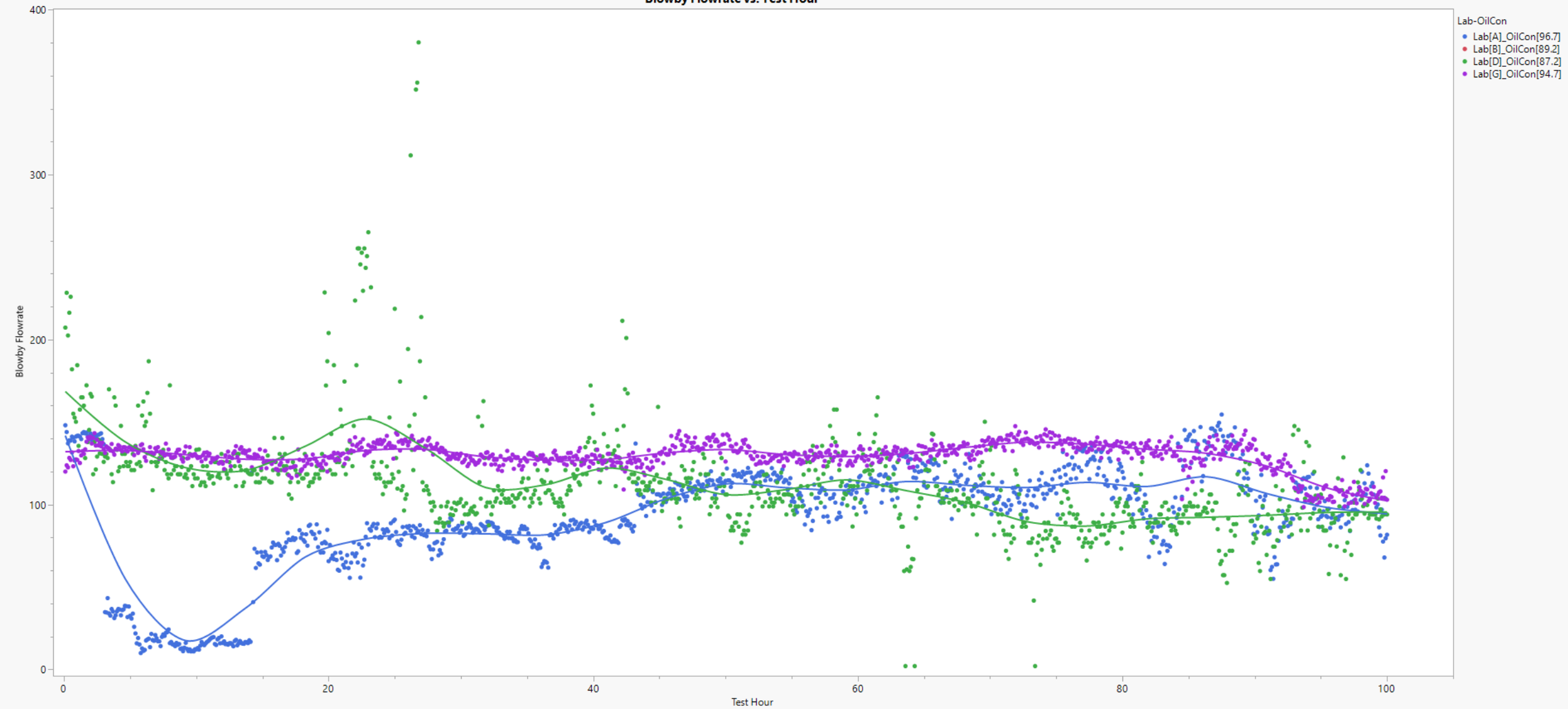
Air After Intercooler Pressure vs. Test Hour



Where(7999 rows excluded)

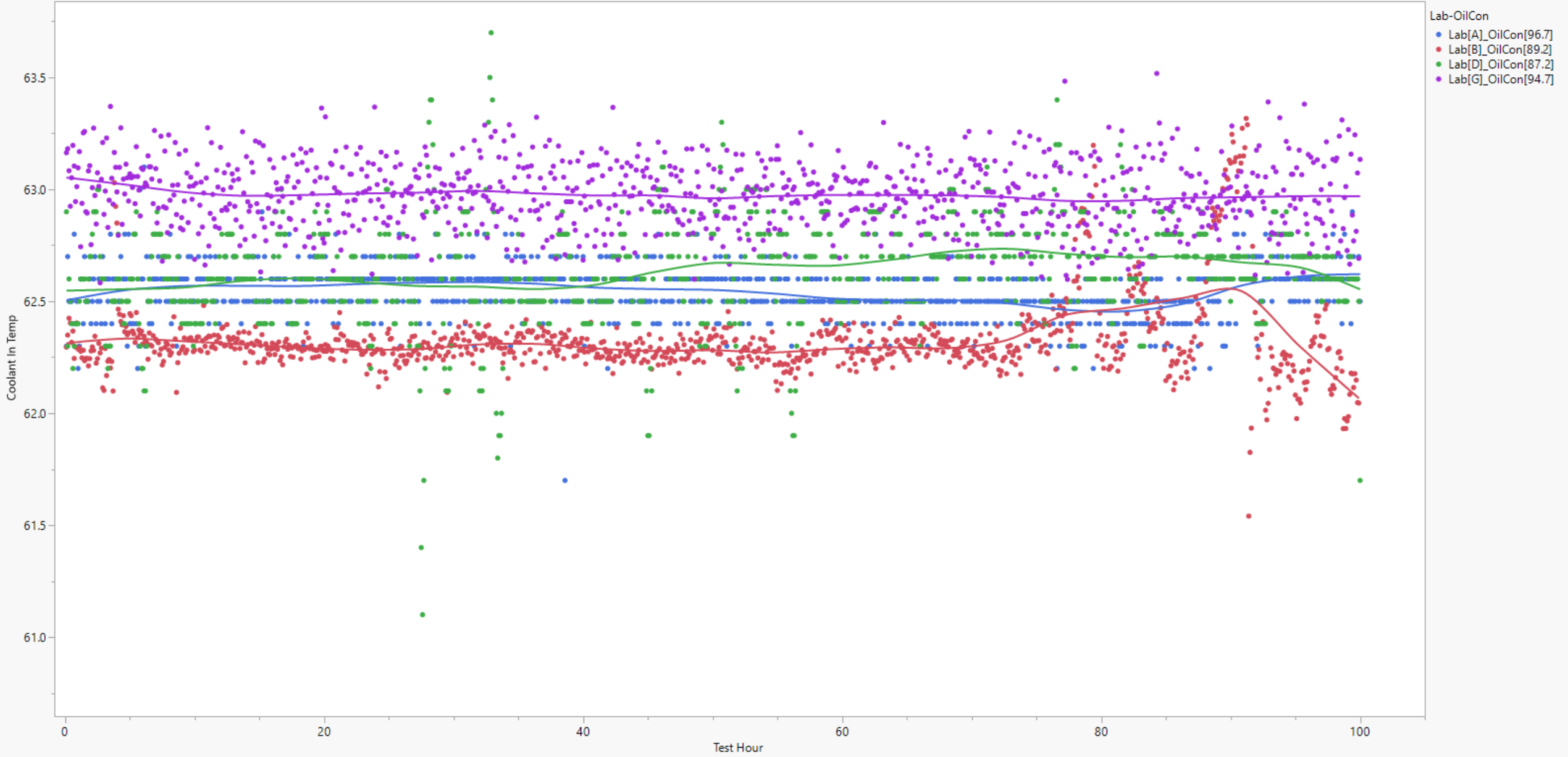


Blowby Flowrate vs. Test Hour

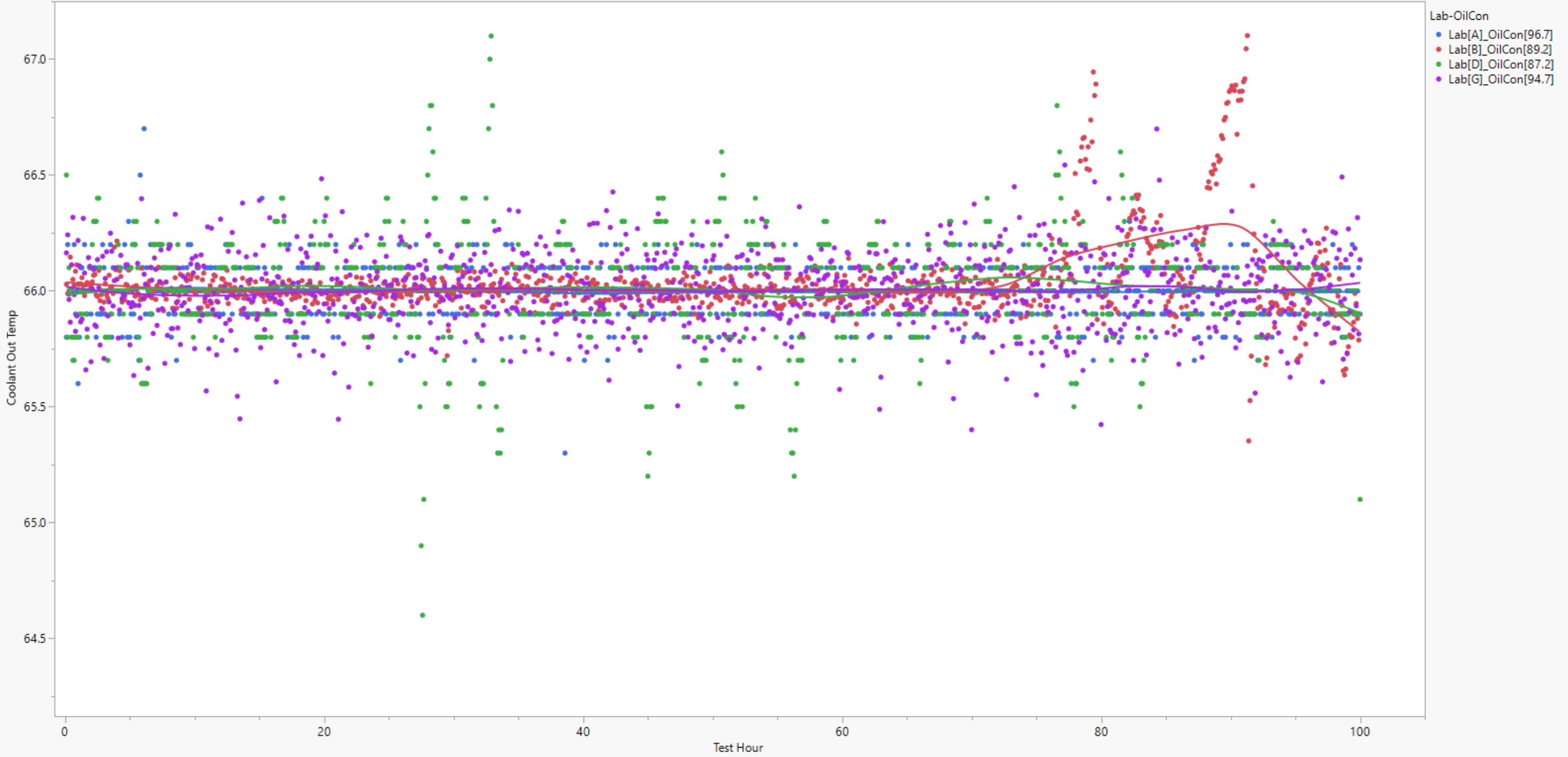


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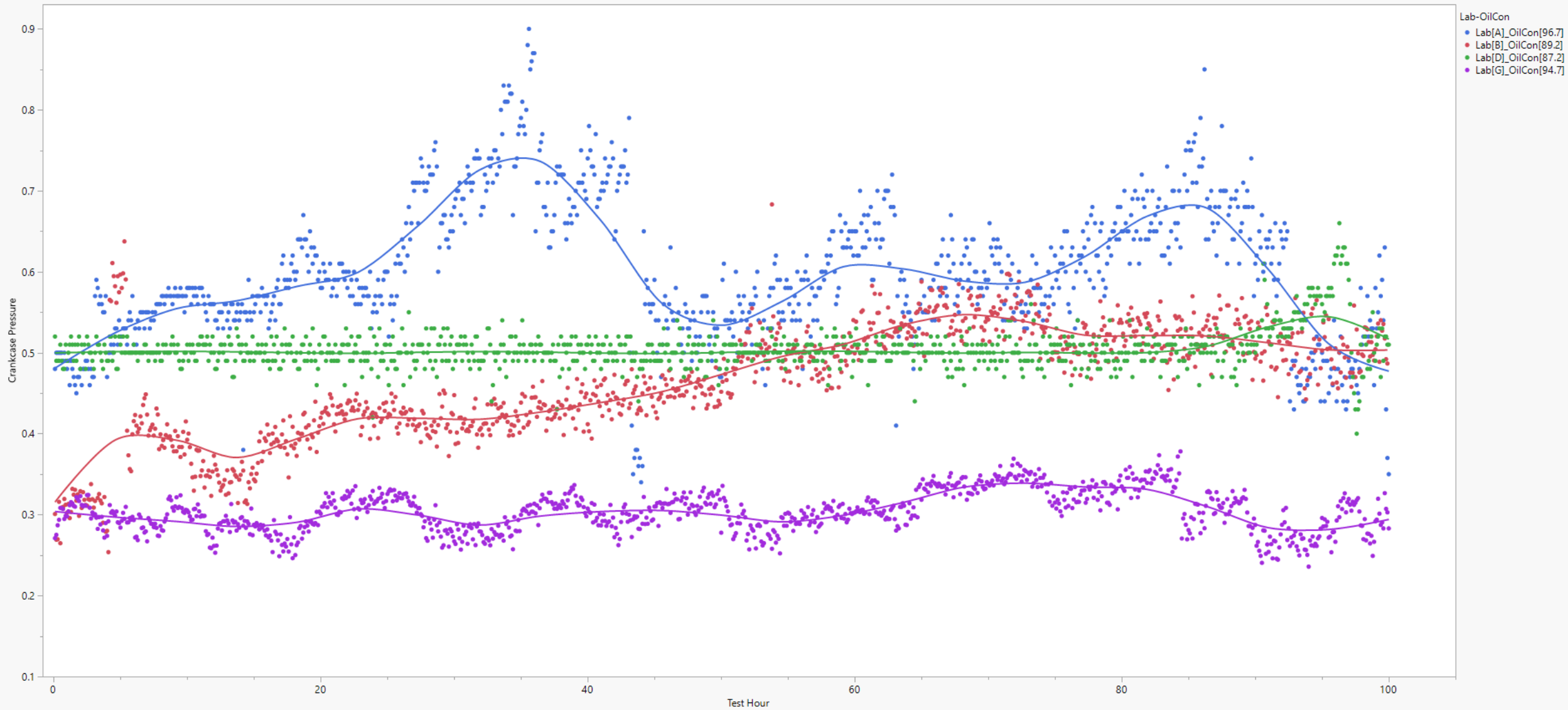
Coolant In Temp vs. Test Hour



Coolant Out Temp vs. Test Hour

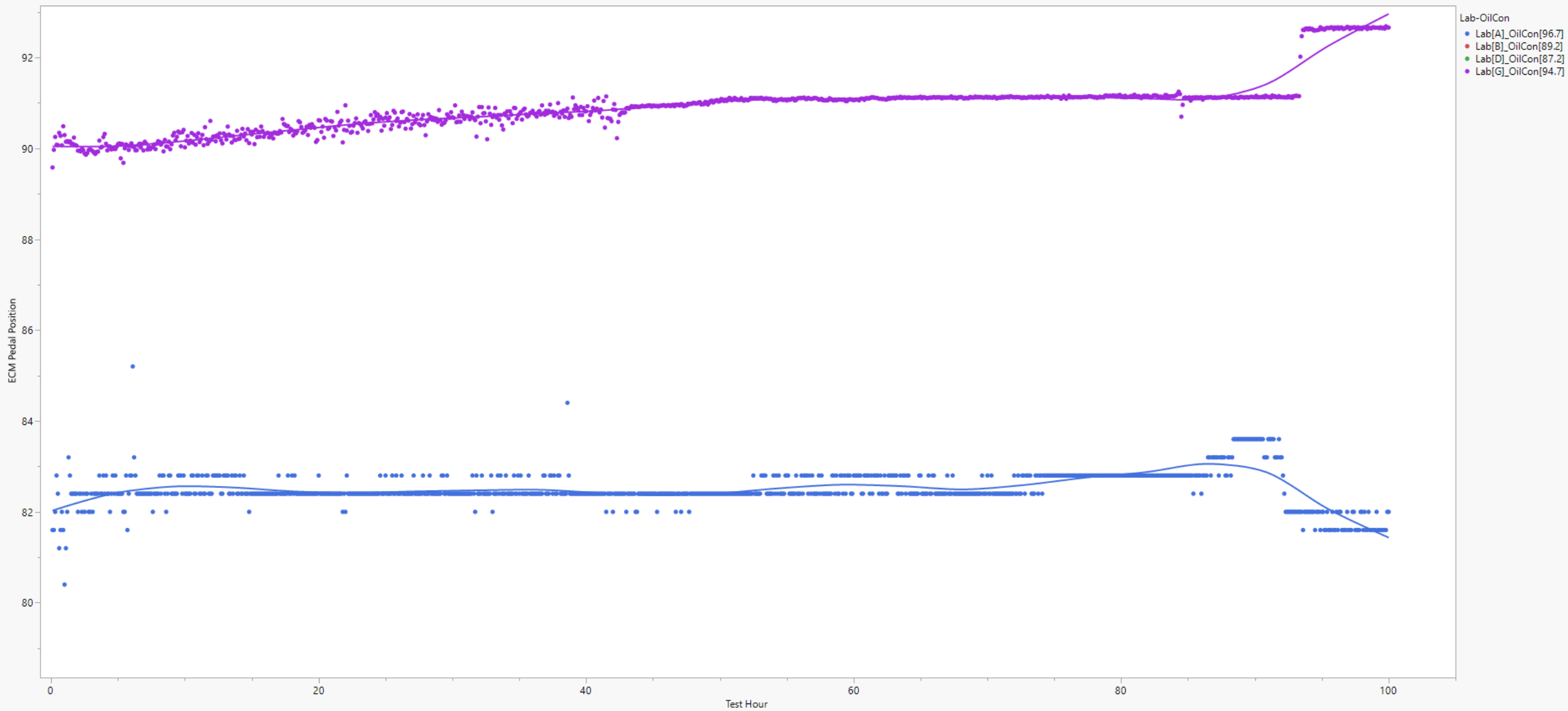


Crankcase Pressure vs. Test Hour



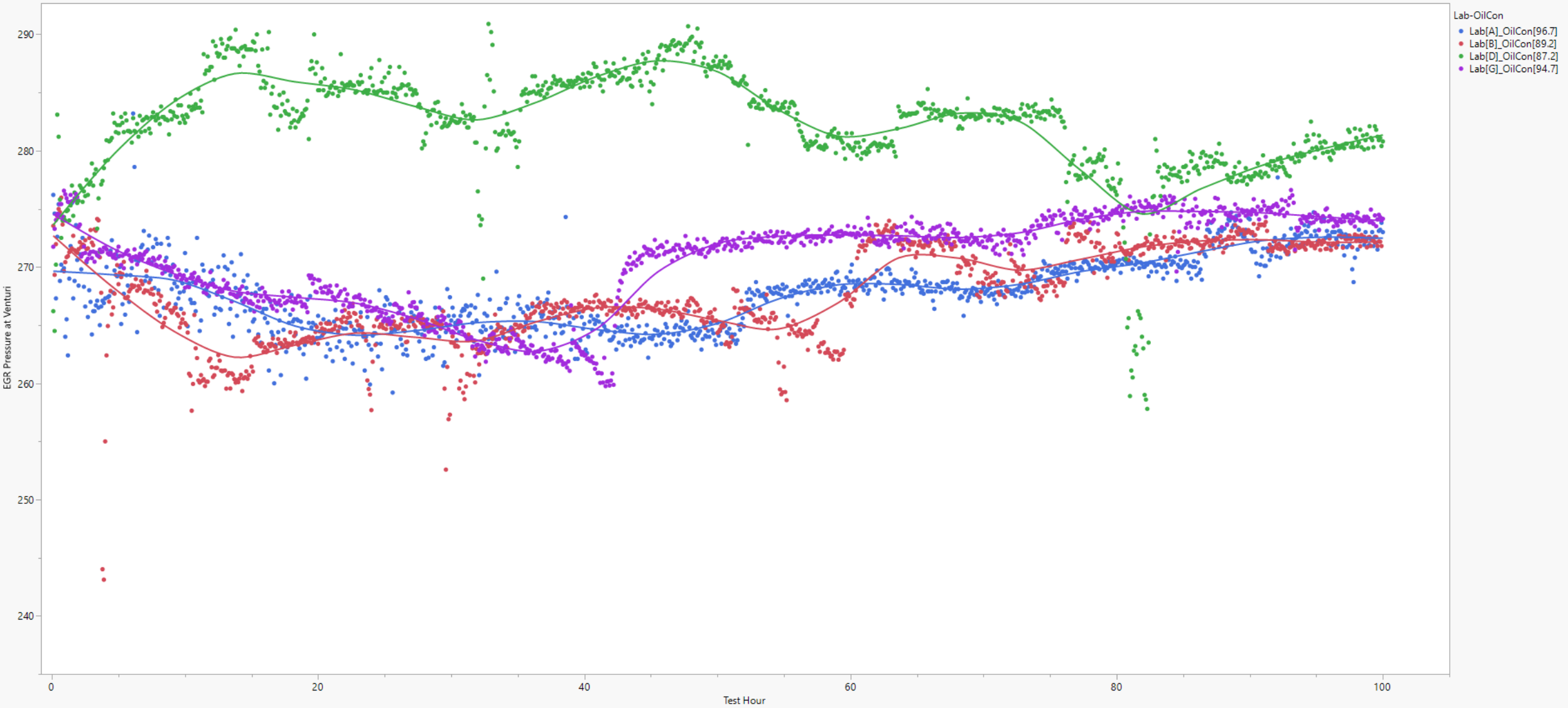
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ECM Pedal Position vs. Test Hour



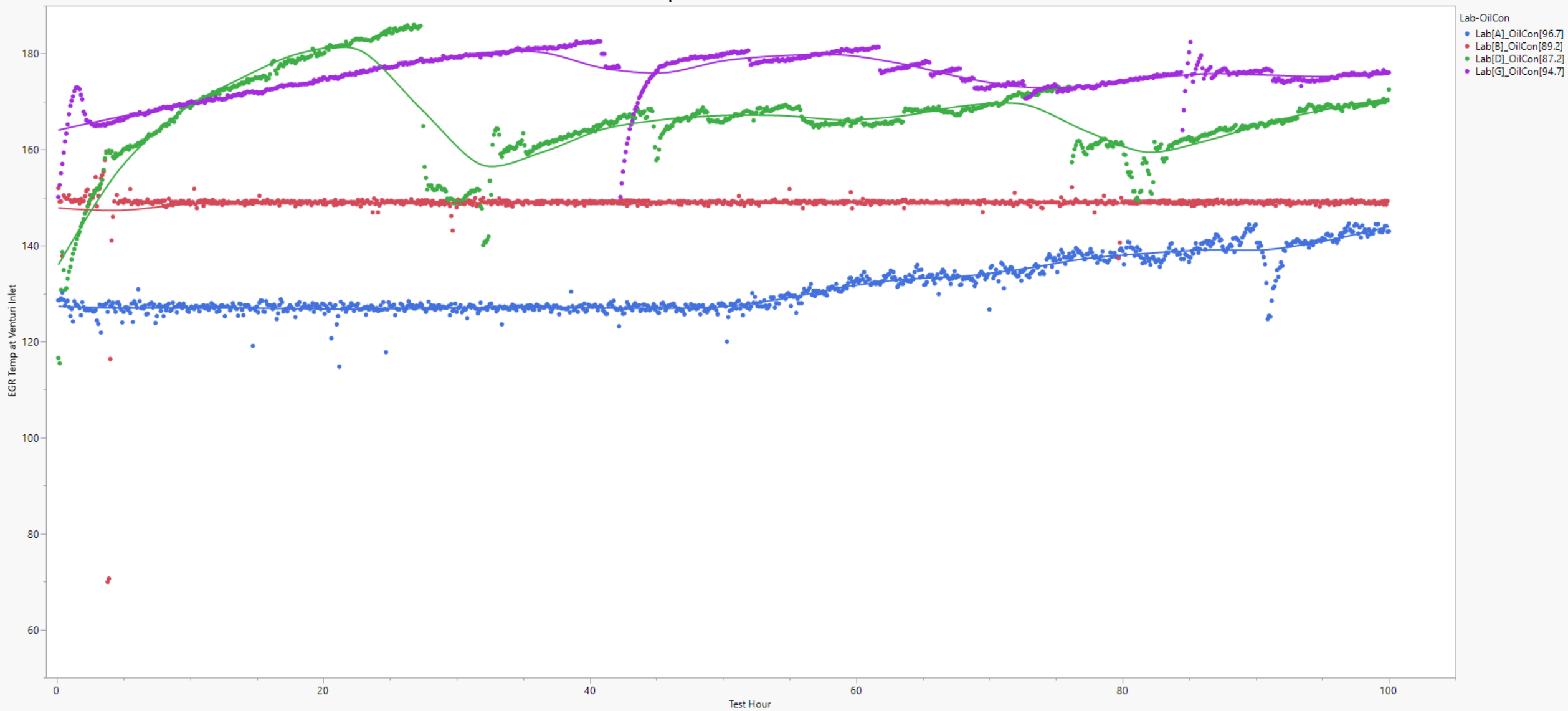
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EGR Pressure at Venturi vs. Test Hour



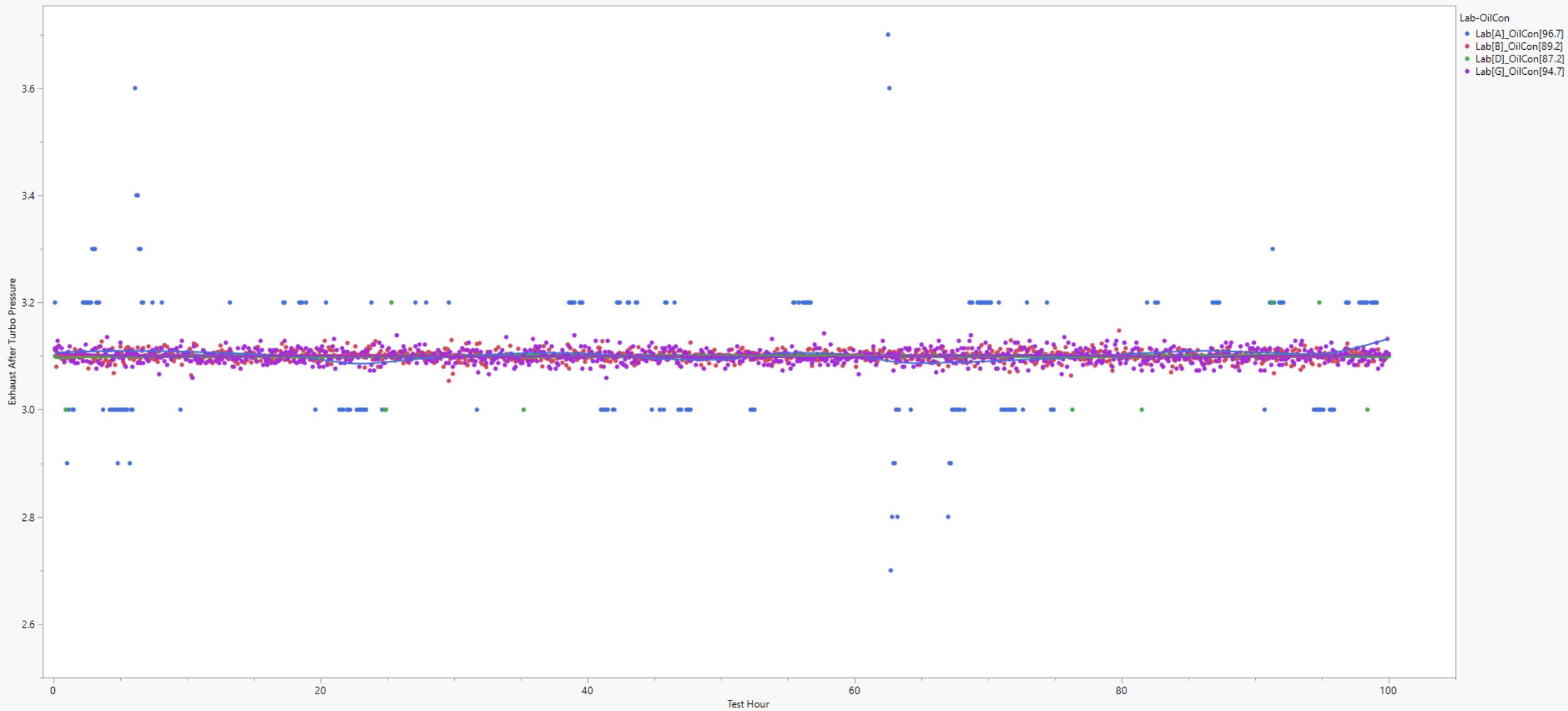
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EGR Temp at Venturi Inlet vs. Test Hour



Where(7999 rows excluded)

Exhaust After Turbo Pressure vs. Test Hour



Where(7999 rows excluded)

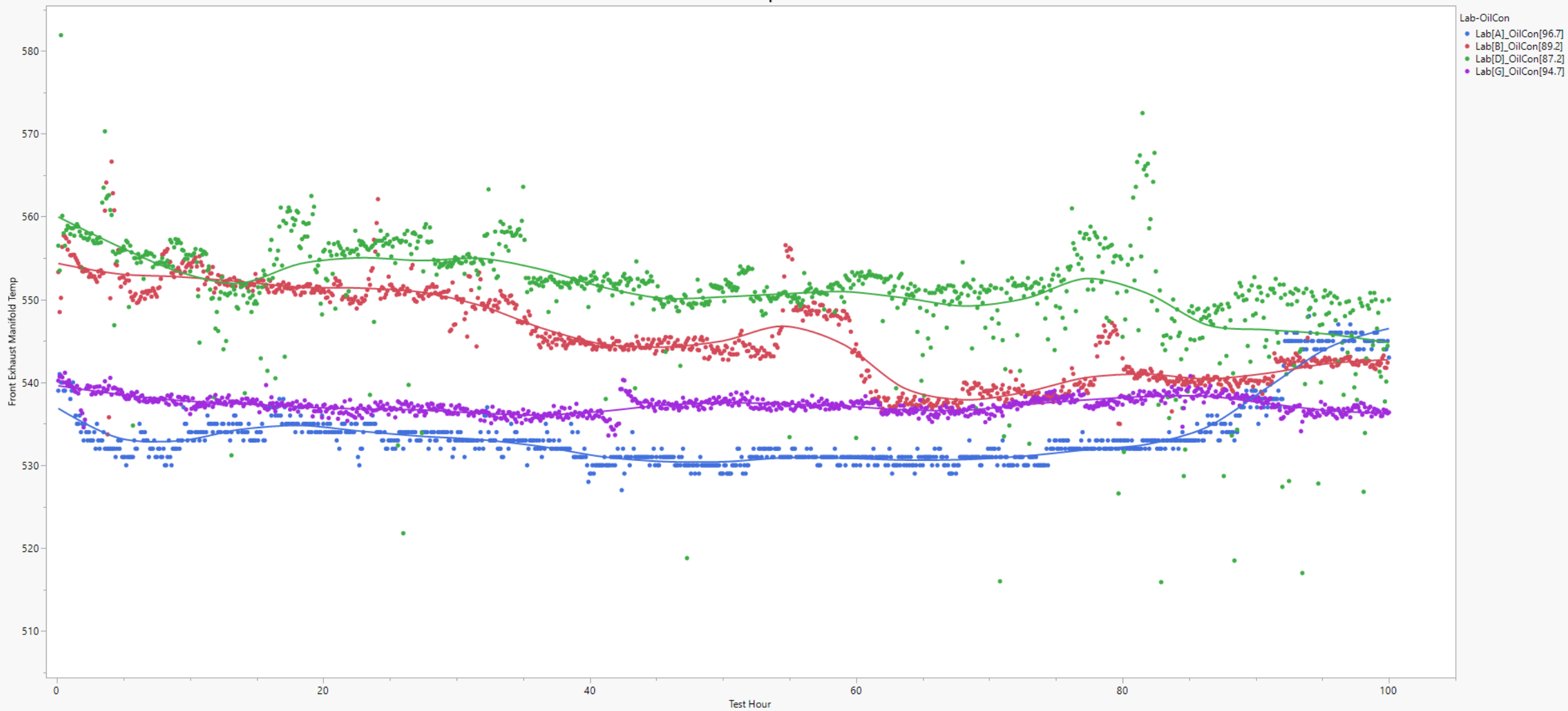


Filter Delta Pressure vs. Test Hour



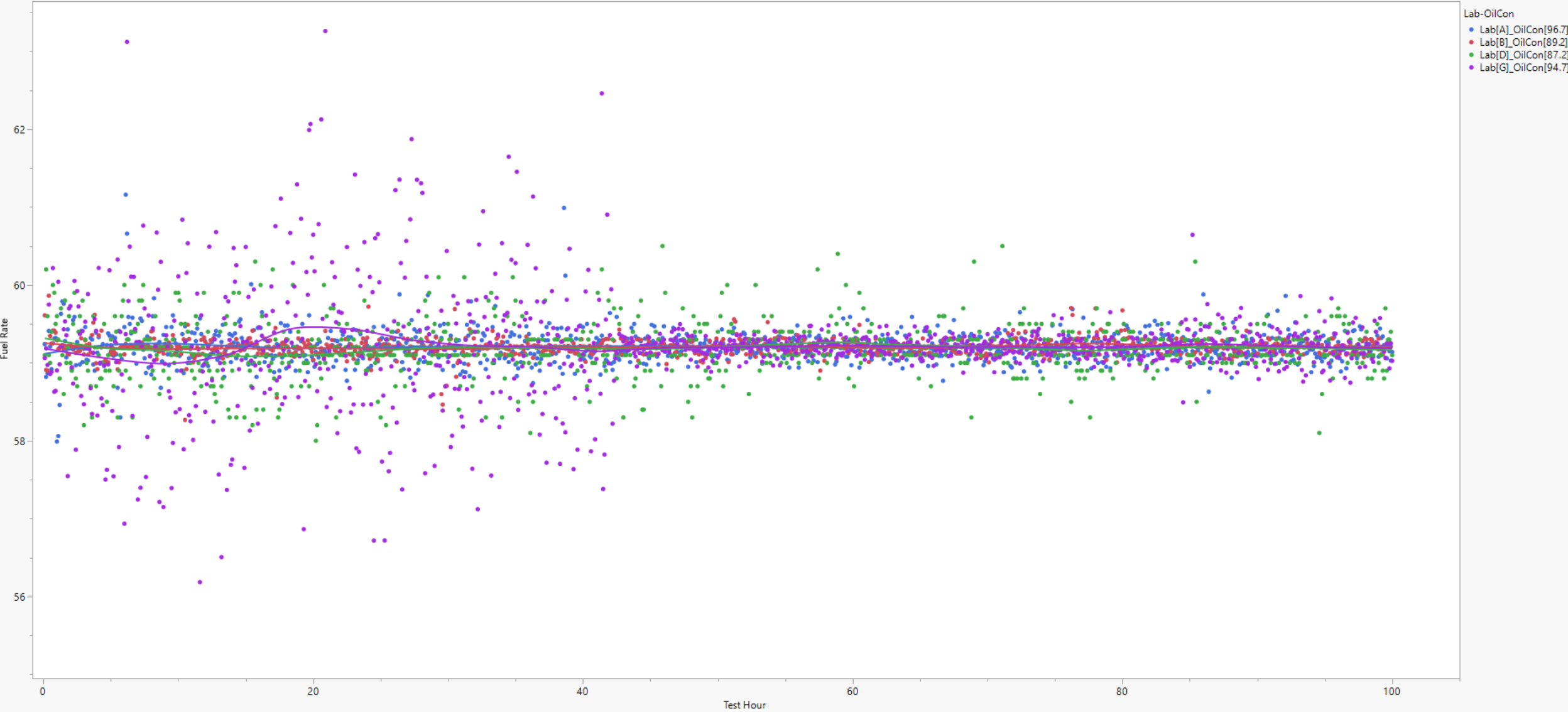
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Front Exhaust Manifold Temp vs. Test Hour



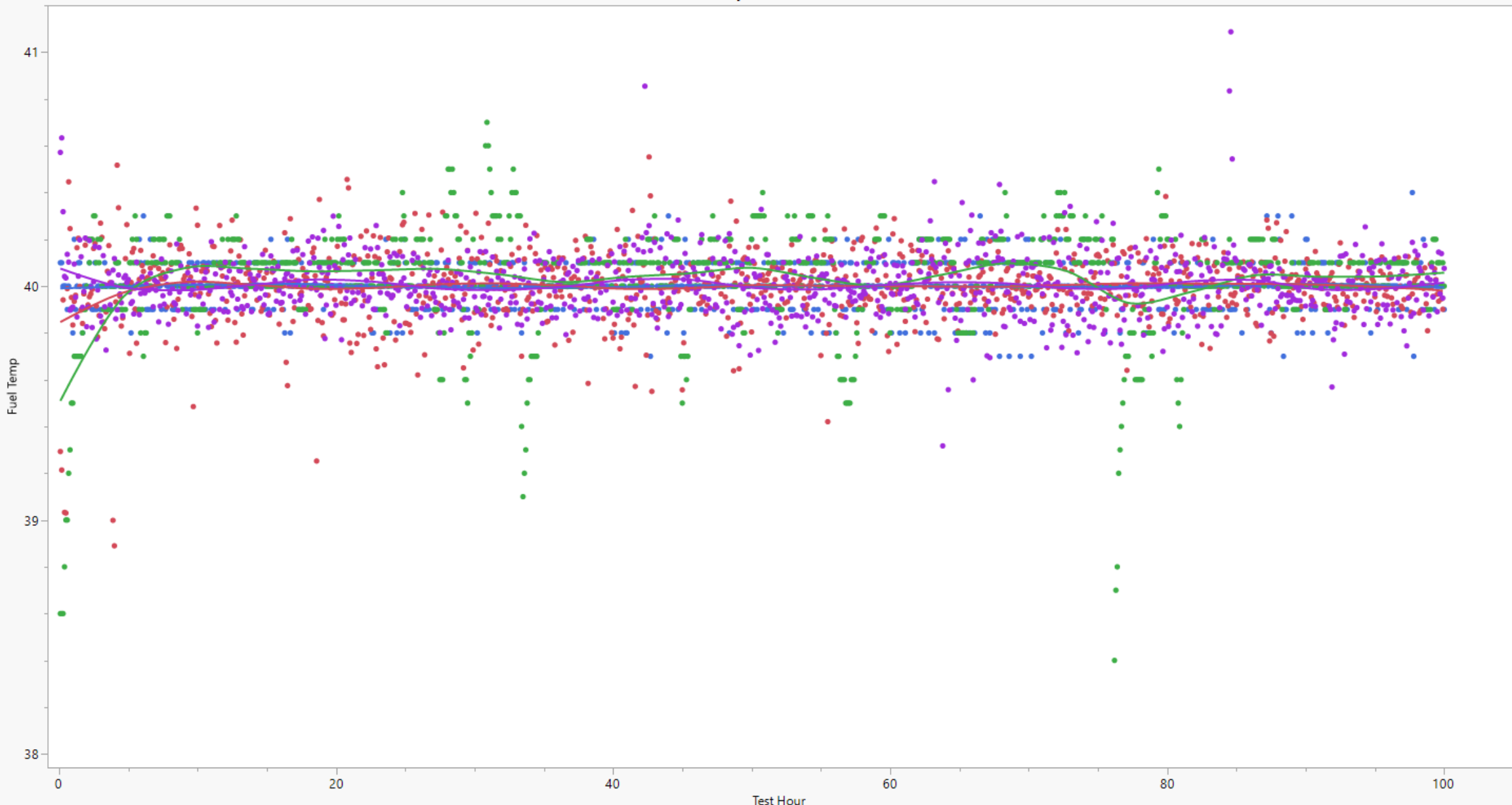
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Fuel Rate vs. Test Hour



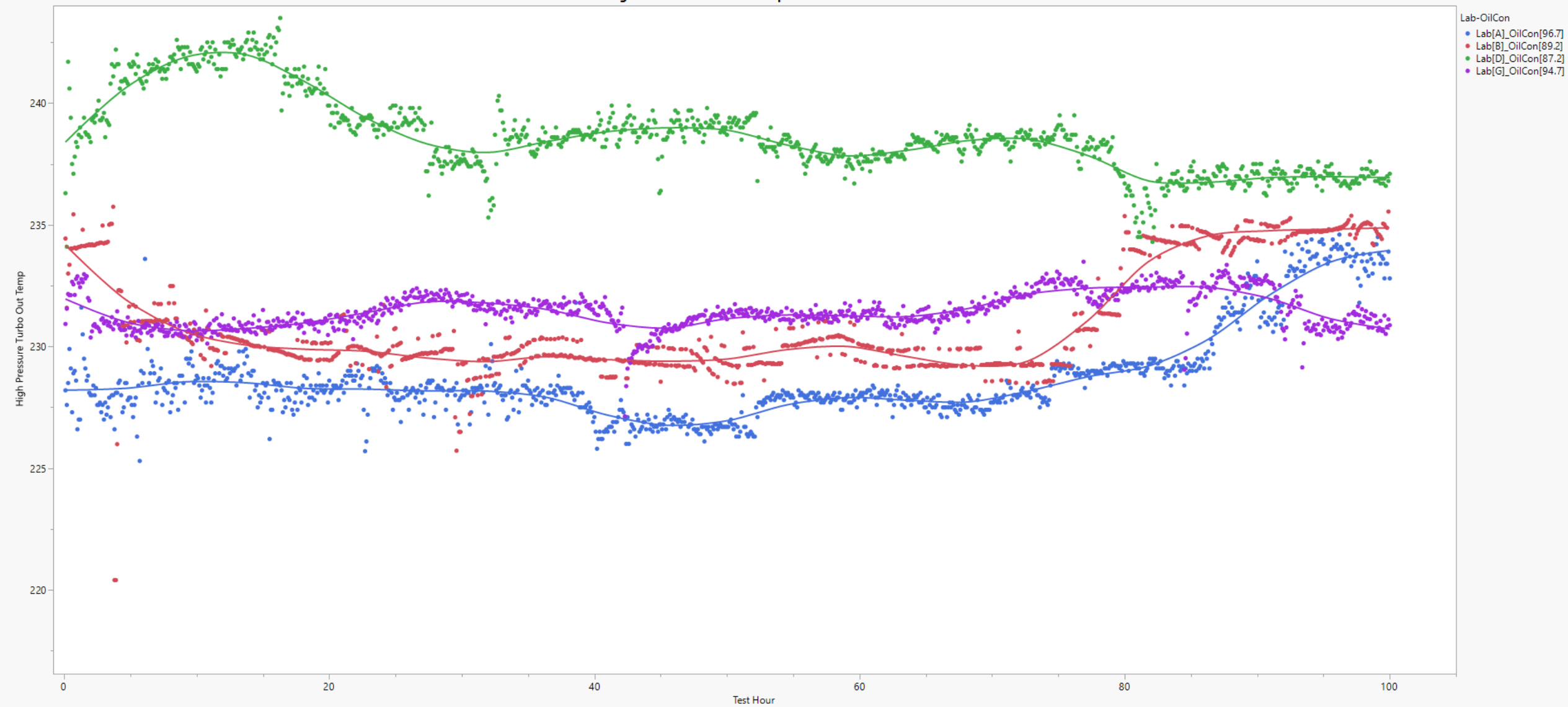
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Fuel Temp vs. Test Hour



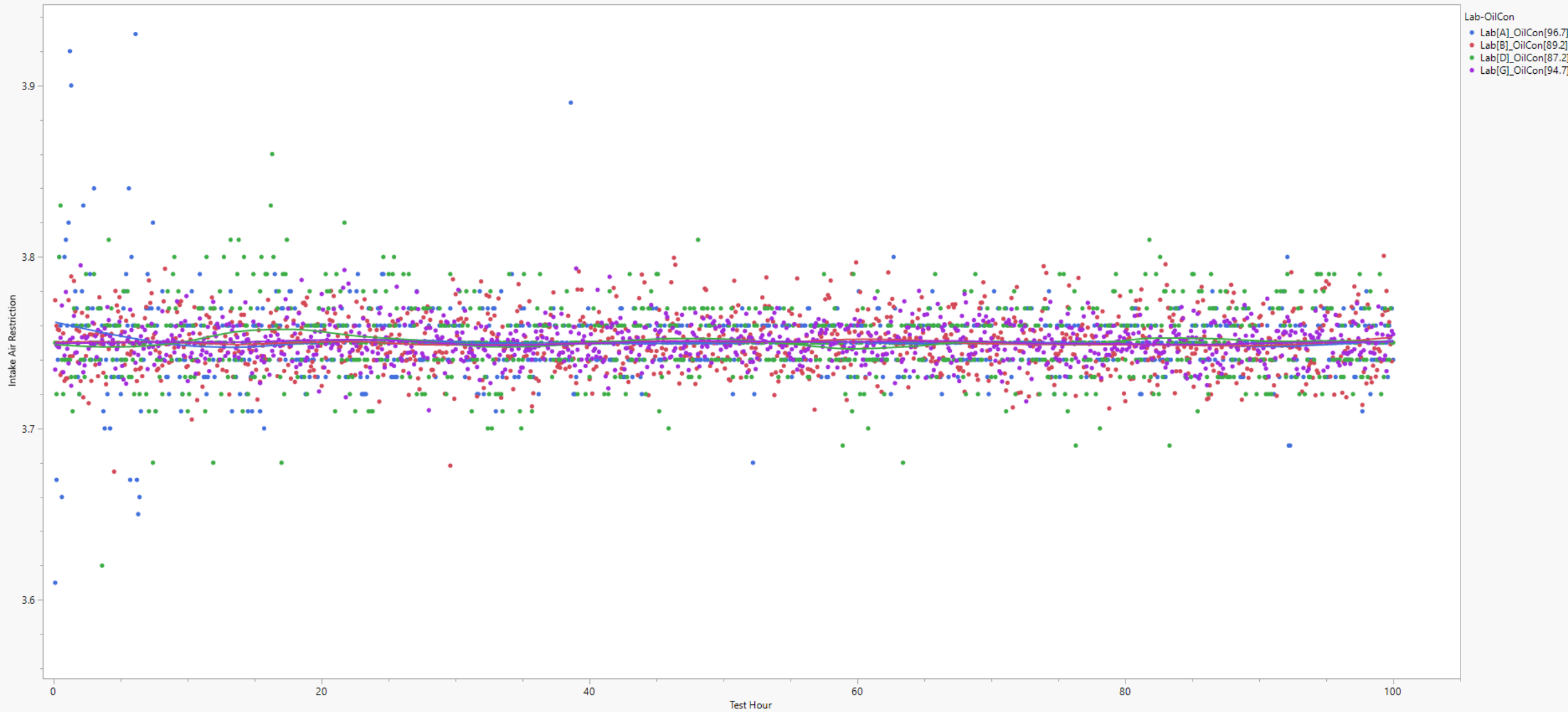
- Lab[A]\_OilCon[96.7]
- Lab[B]\_OilCon[89.2]
- Lab[D]\_OilCon[87.2]
- Lab[G]\_OilCon[94.7]

High Pressure Turbo Out Temp vs. Test Hour



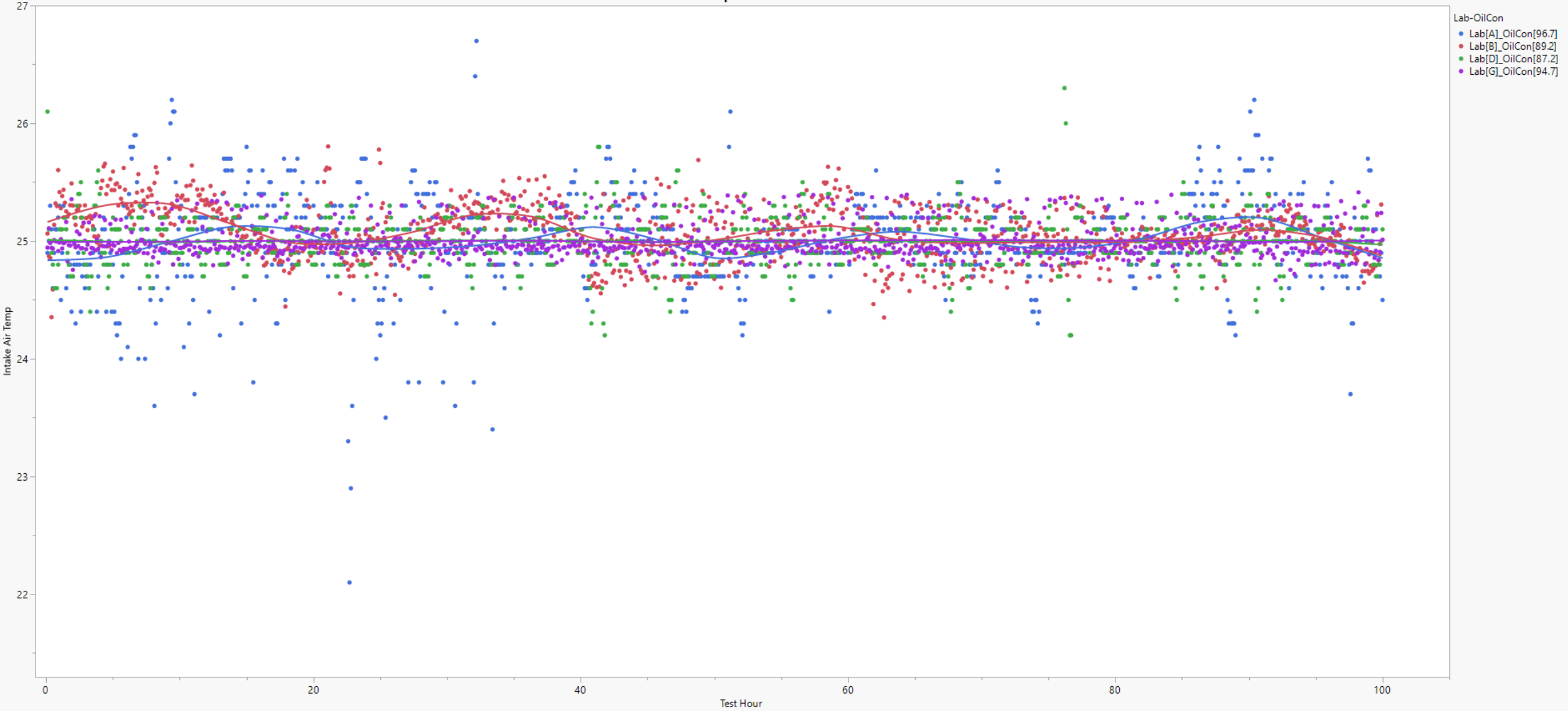
Where(7999 rows excluded)

Intake Air Restriction vs. Test Hour



Where(7999 rows excluded)

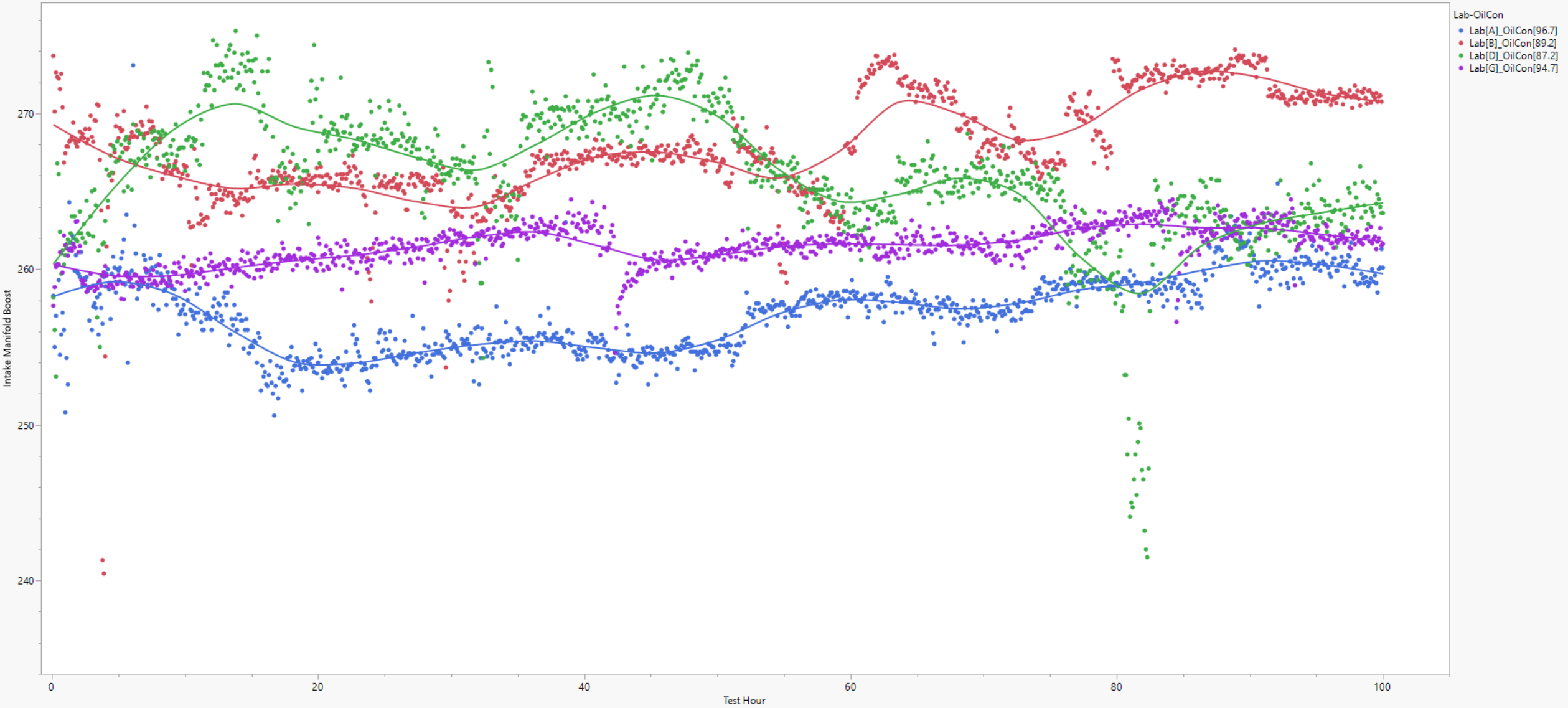
Intake Air Temp vs. Test Hour



Where(7999 rows excluded)

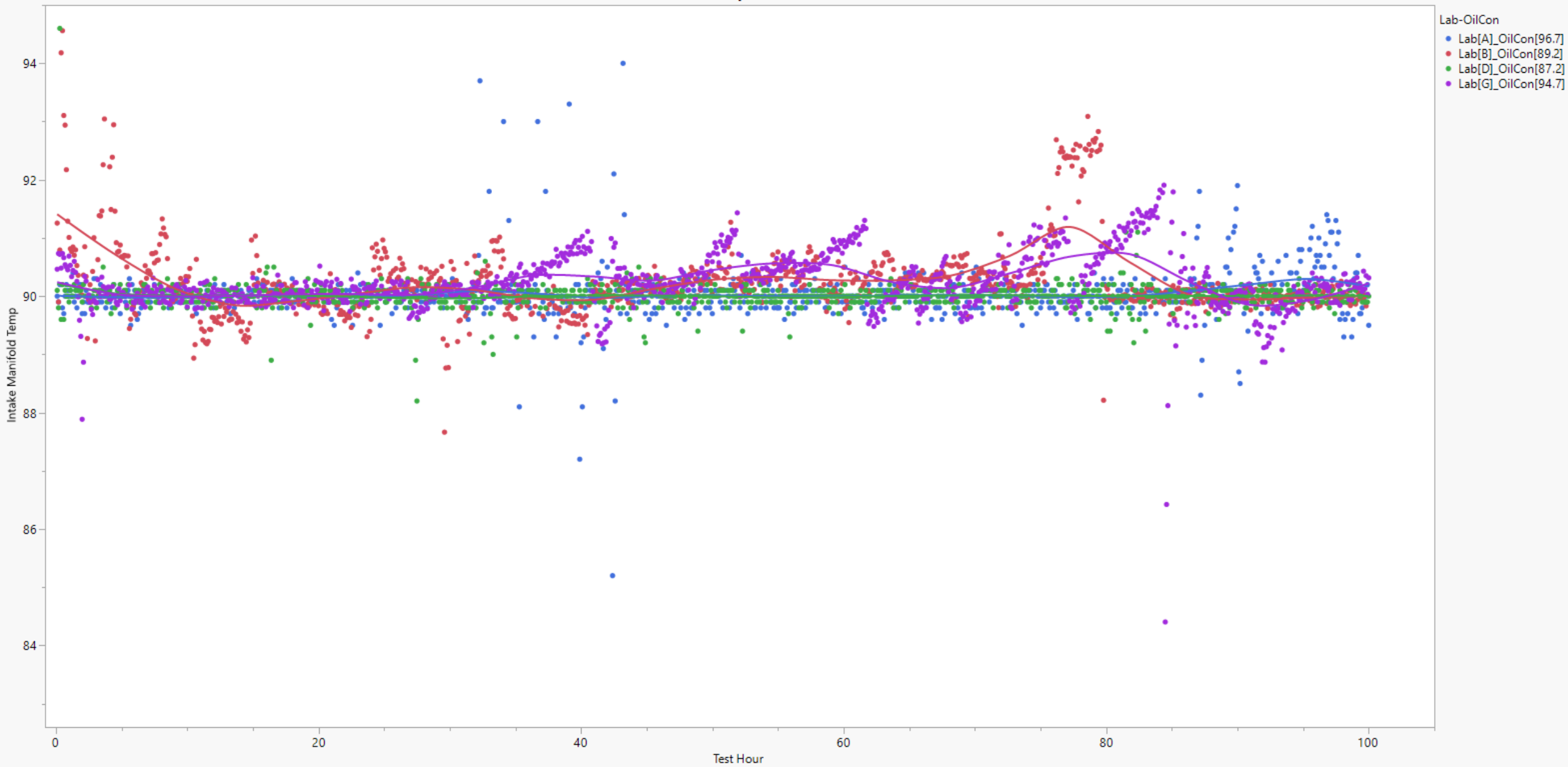


Intake Manifold Boost vs. Test Hour





Intake Manifold Temp vs. Test Hour

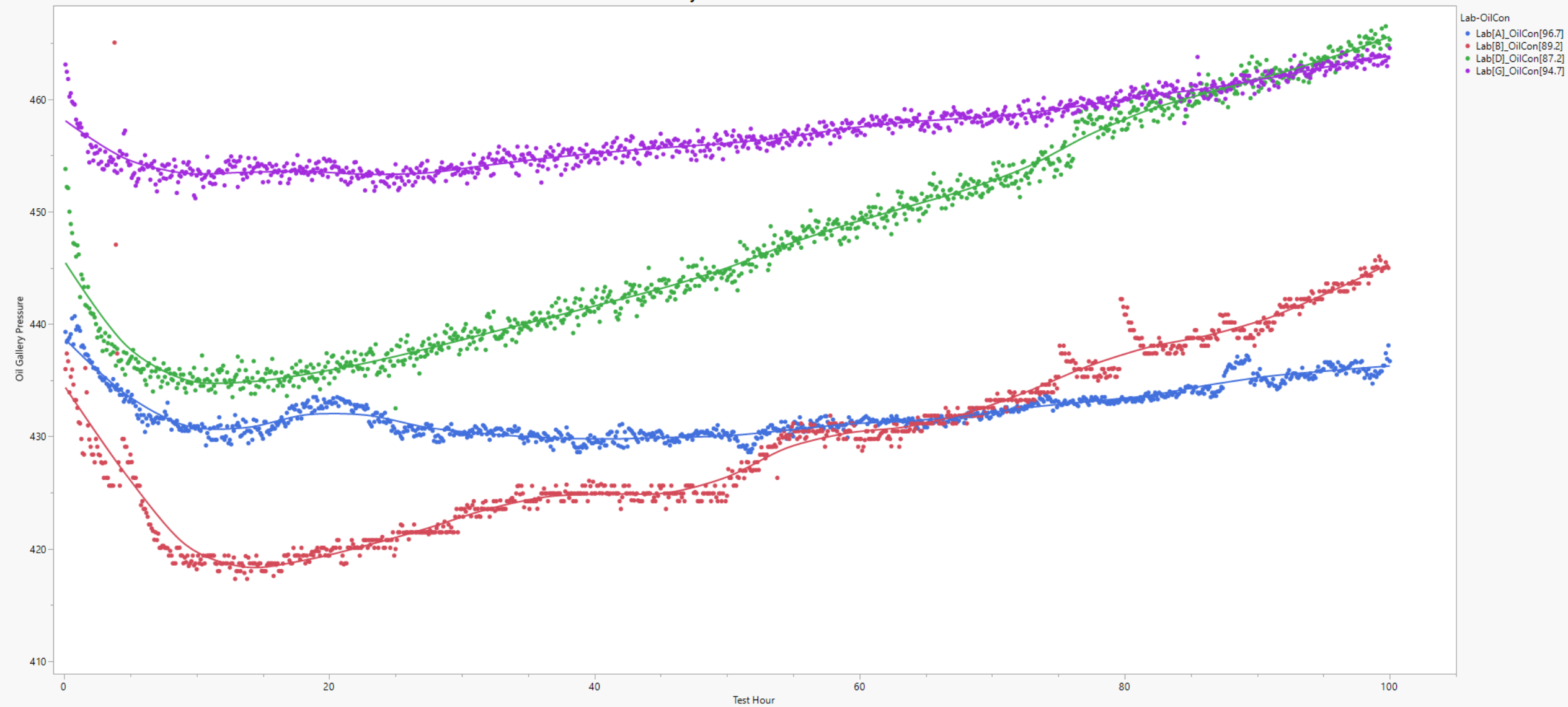


Left EGR Cooler Outlet Temp vs. Test Hour



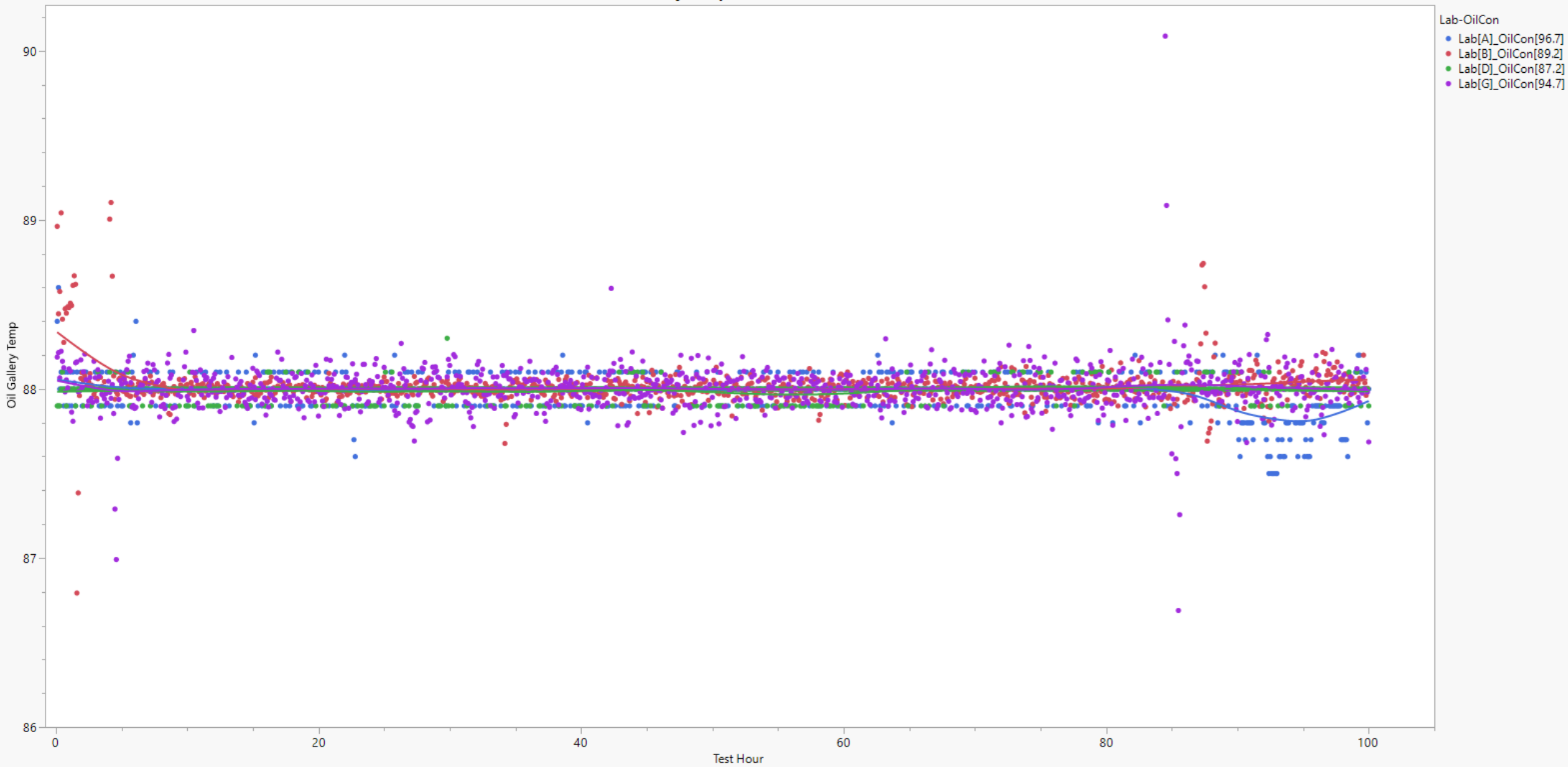
Where(7999 rows excluded)

Oil Gallery Pressure vs. Test Hour

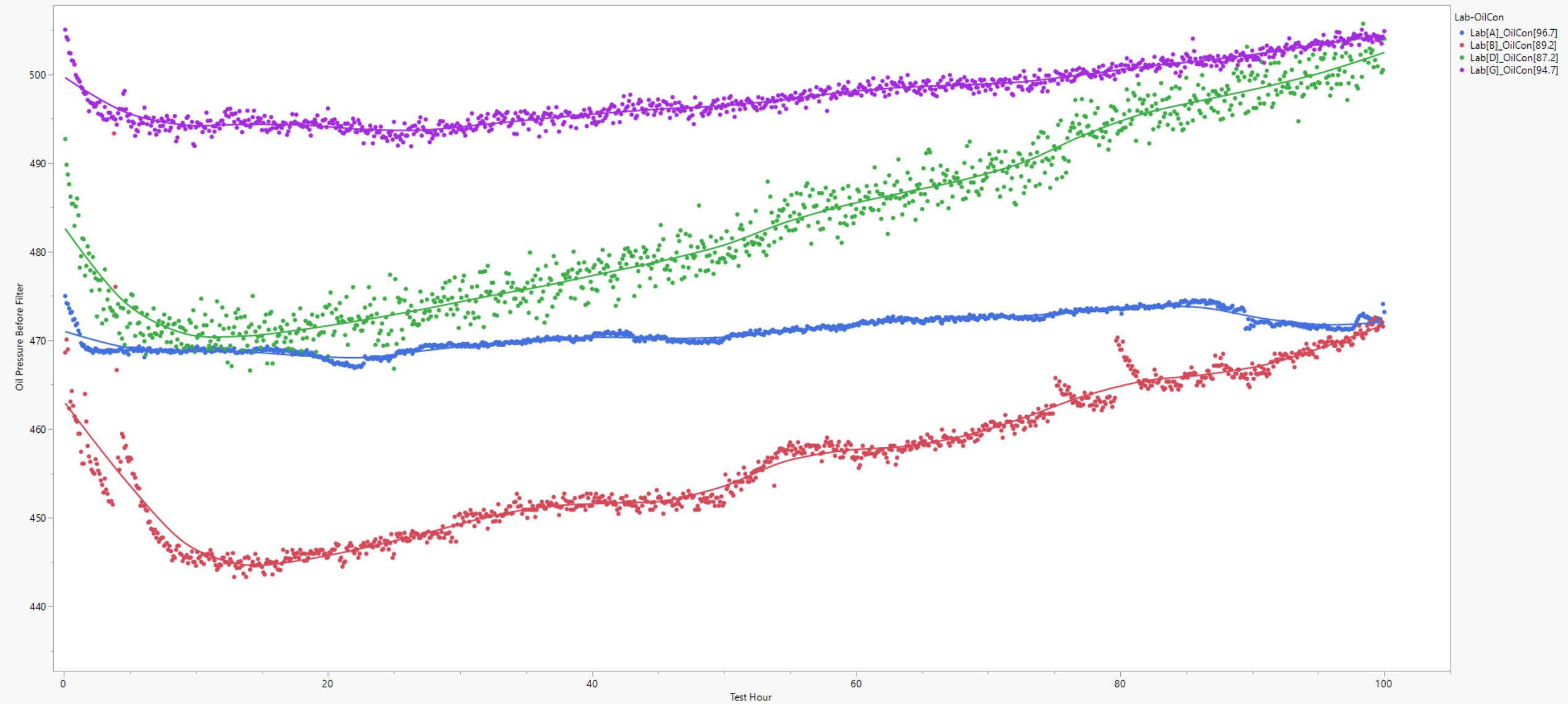


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Oil Gallery Temp vs. Test Hour



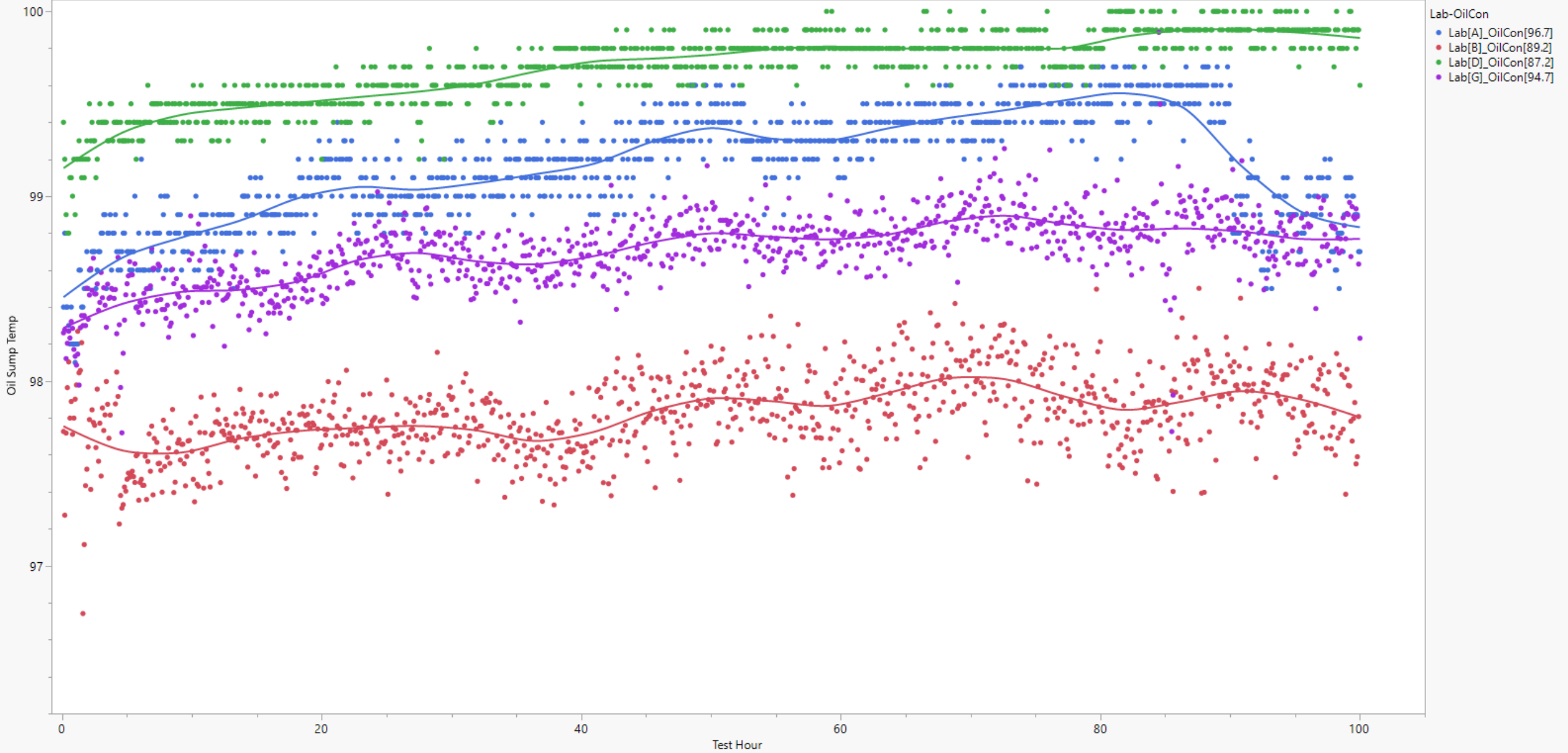
Oil Pressure Before Filter vs. Test Hour



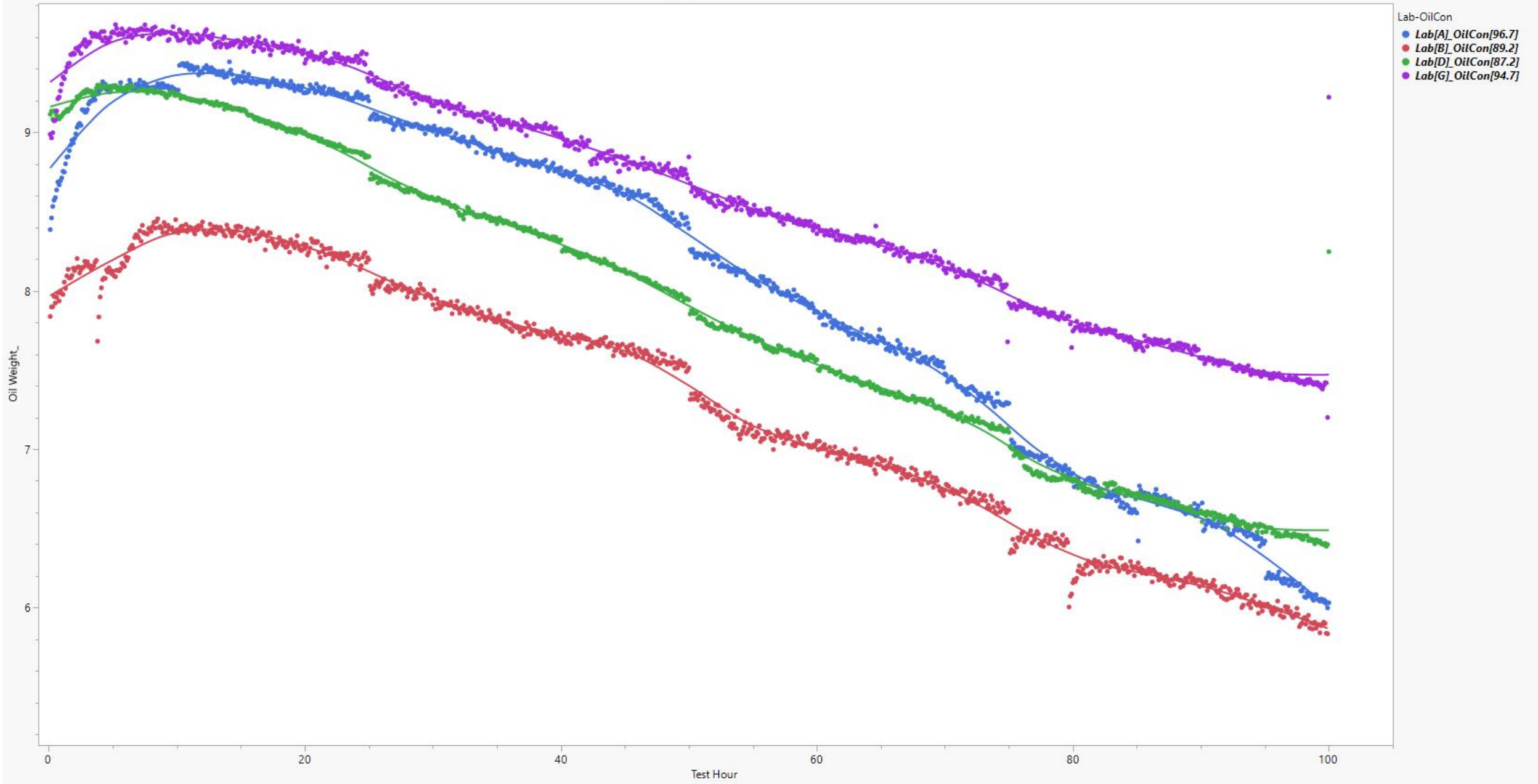
Lab-OilCon  
● Lab[A]\_OilCon[96.7]  
● Lab[B]\_OilCon[89.2]  
● Lab[D]\_OilCon[87.2]  
● Lab[G]\_OilCon[94.7]

Where(7999 rows excluded)

Oil Sump Temp vs. Test Hour

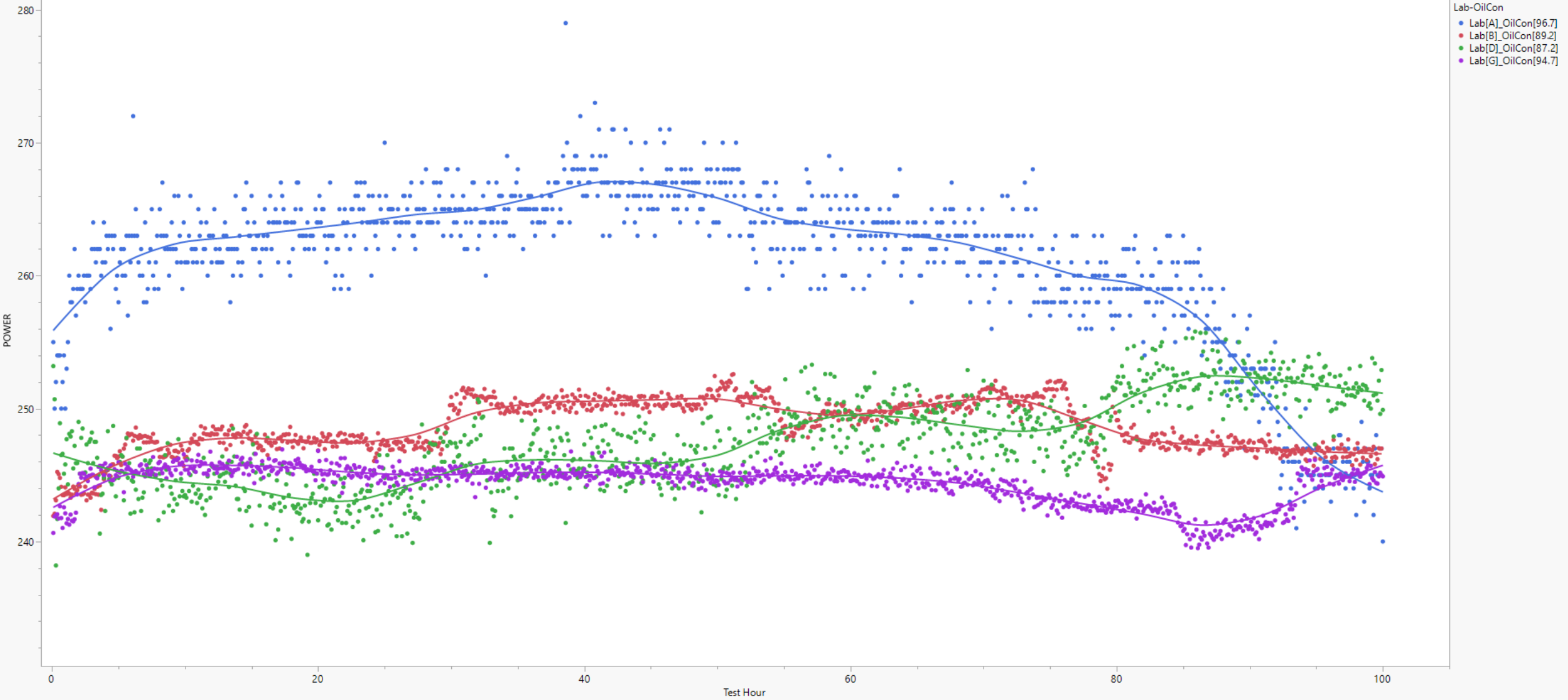


Oil Weight\_ vs. Test Hour





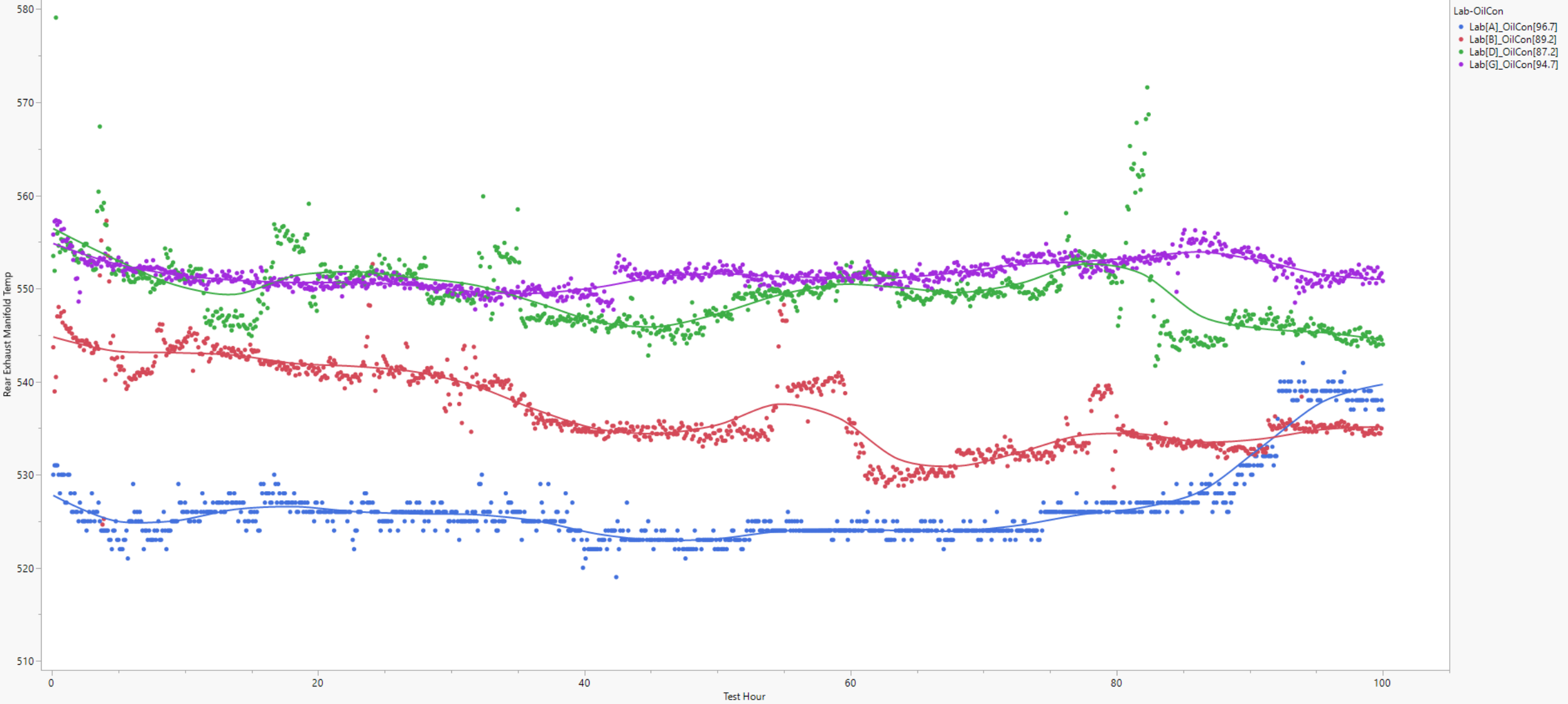
POWER vs. Test Hour



Where(7999 rows excluded)



Rear Exhaust Manifold Temp vs. Test Hour

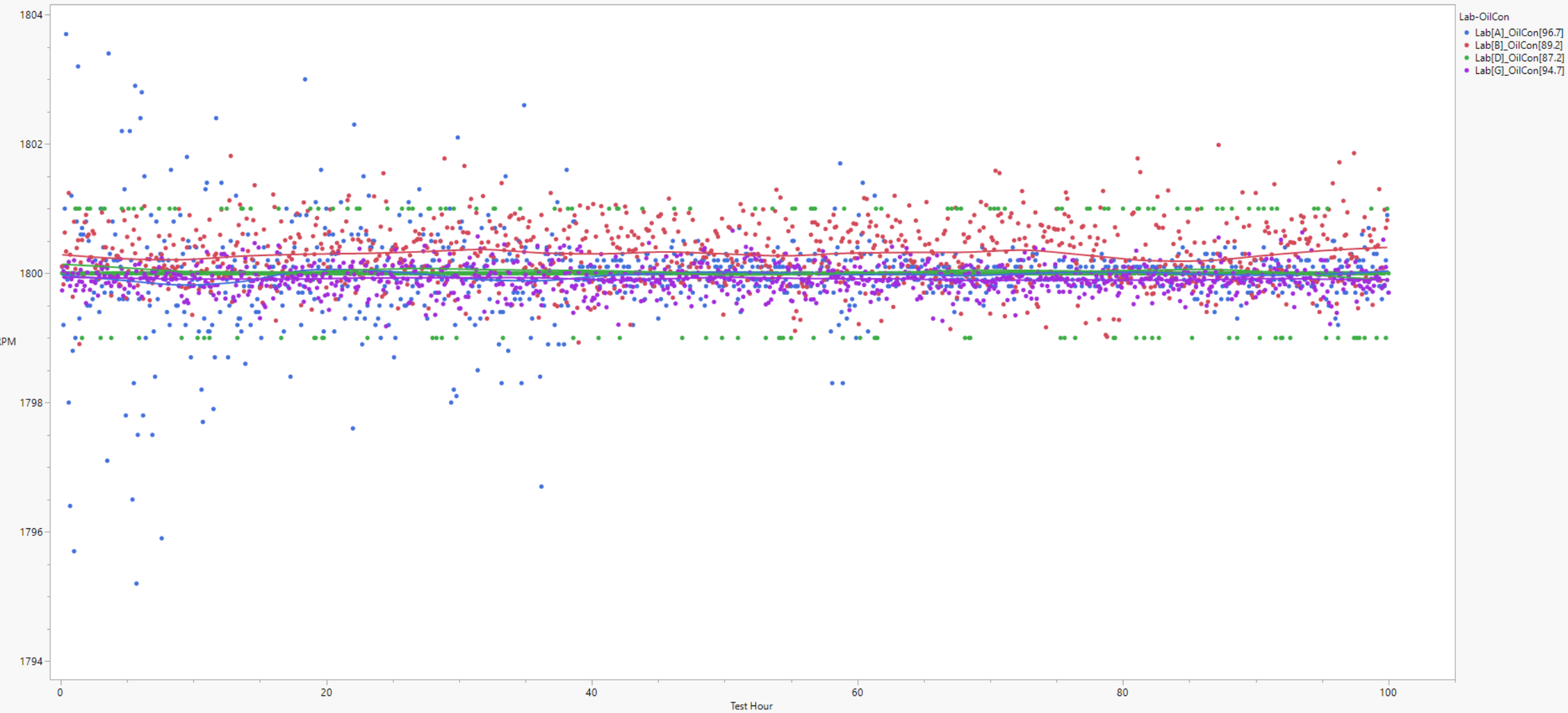


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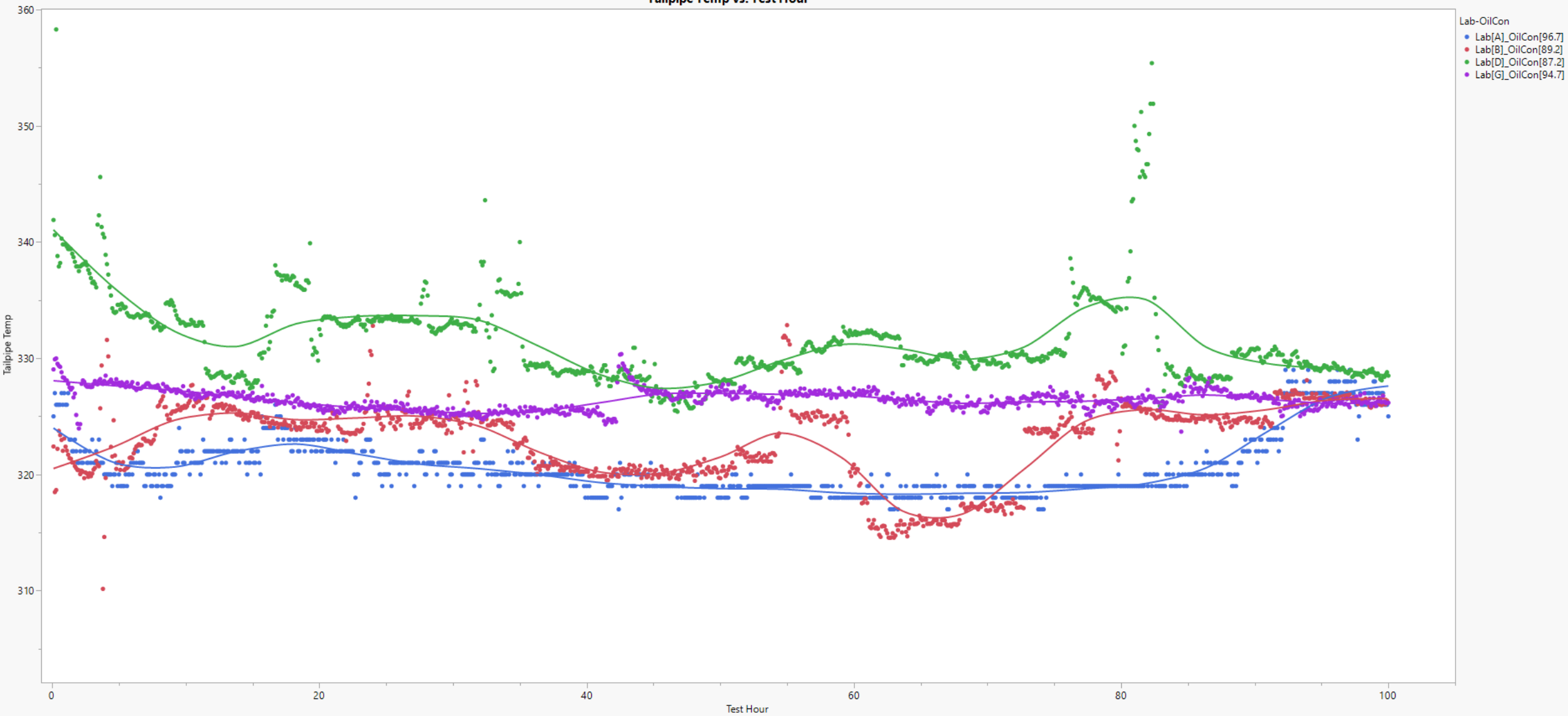
Right EGR Cooler Outlet Temp vs. Test Hour



RPM vs. Test Hour

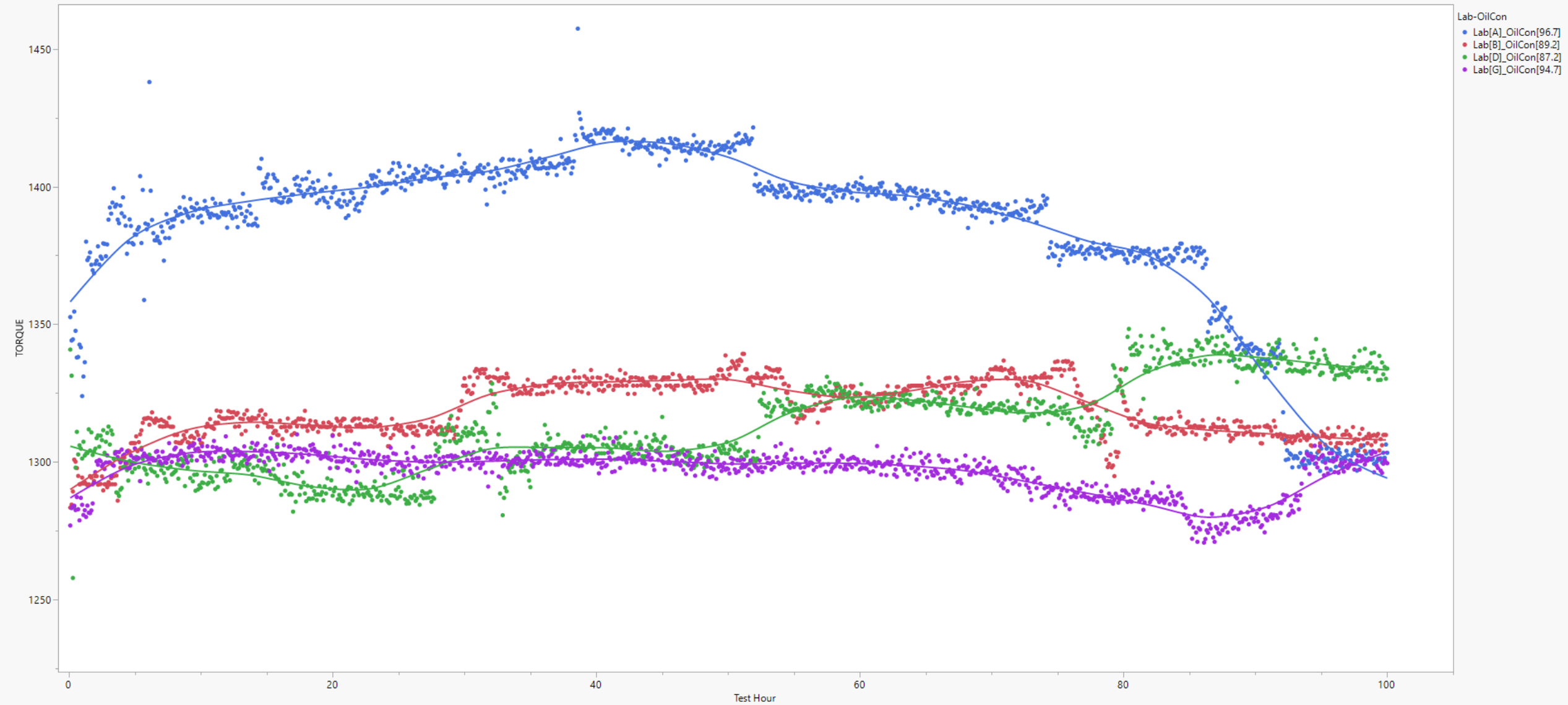


Tailpipe Temp vs. Test Hour



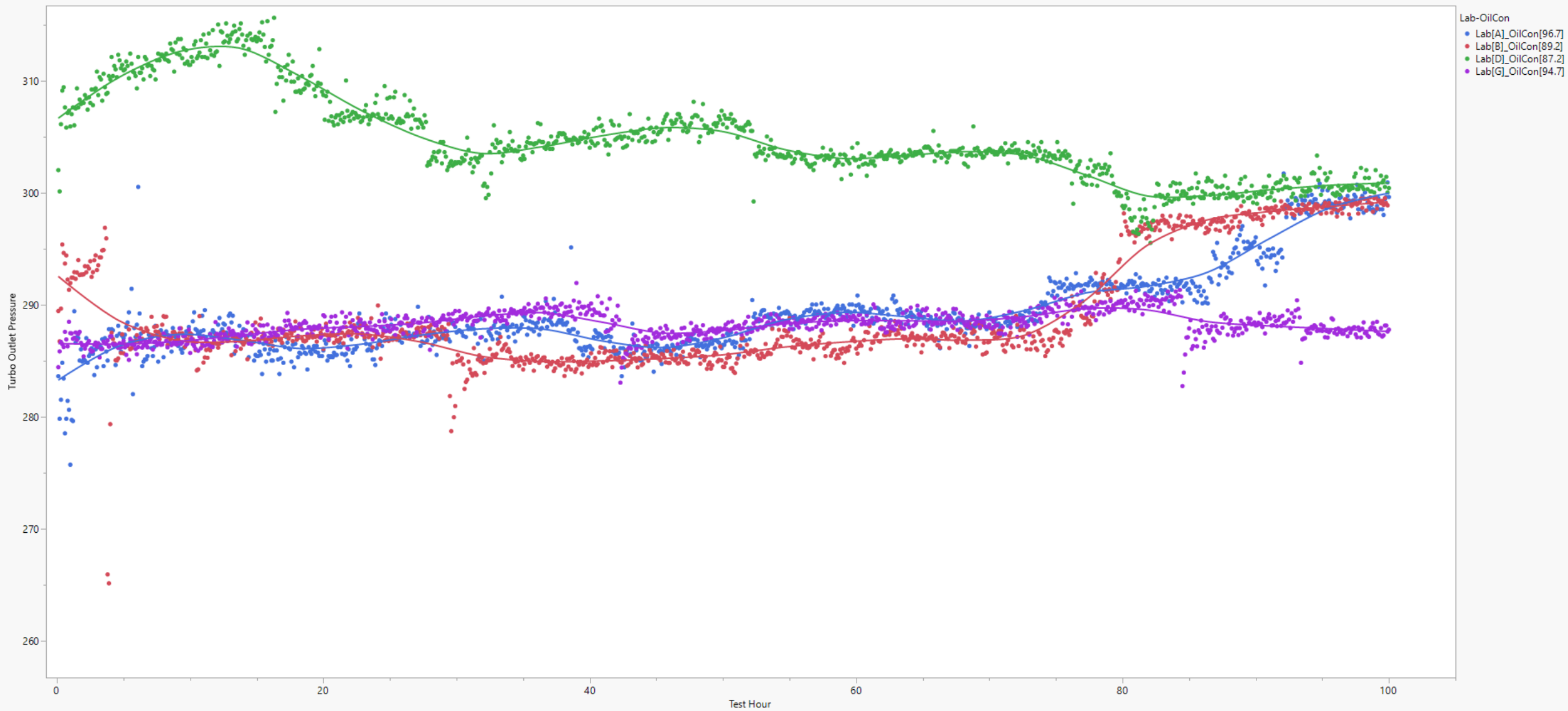
Where(7999 rows excluded)

TORQUE vs. Test Hour



Where(7999 rows excluded)

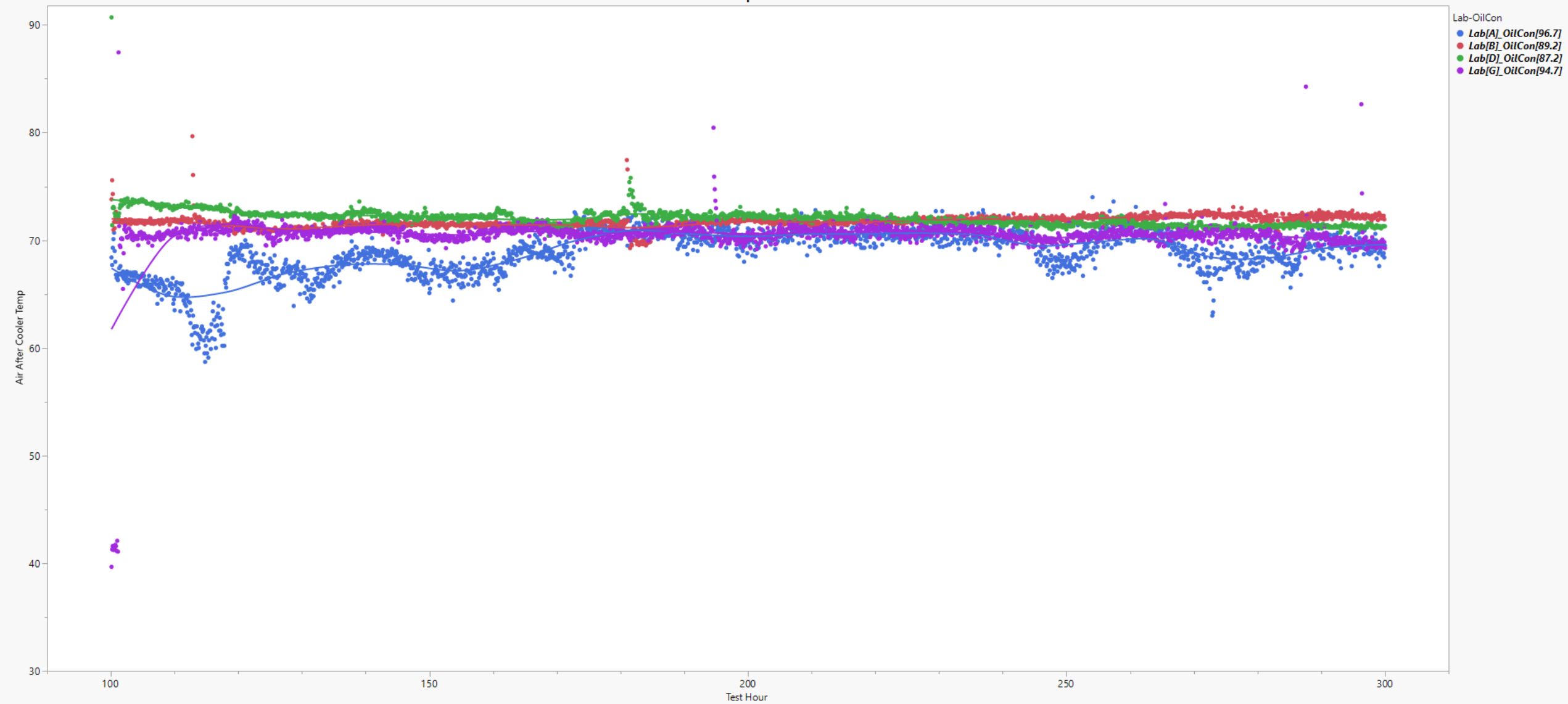
Turbo Outlet Pressure vs. Test Hour



Where(7999 rows excluded)

## Phase 2 – Data Plots

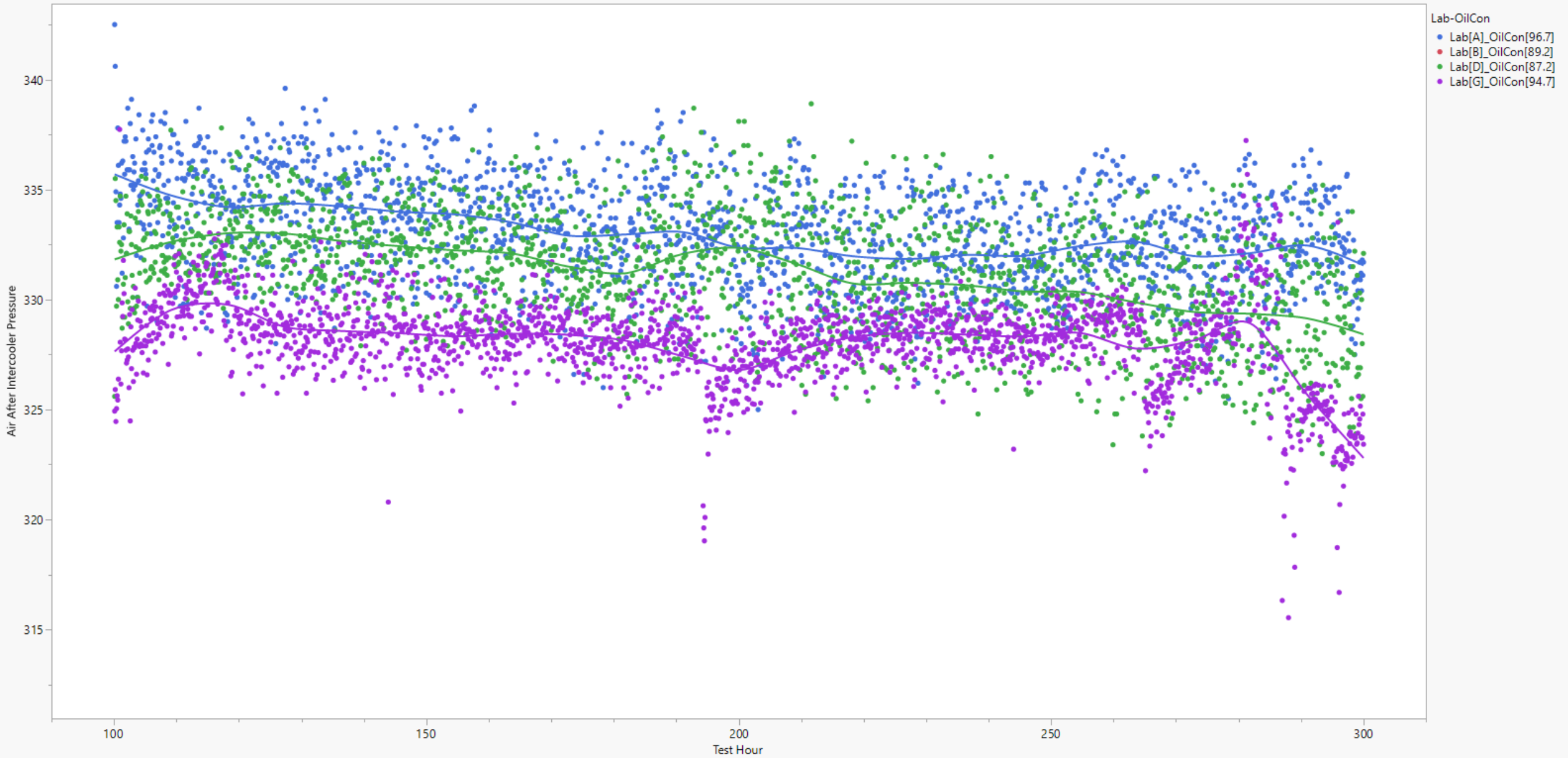
Air After Cooler Temp vs. Test Hour



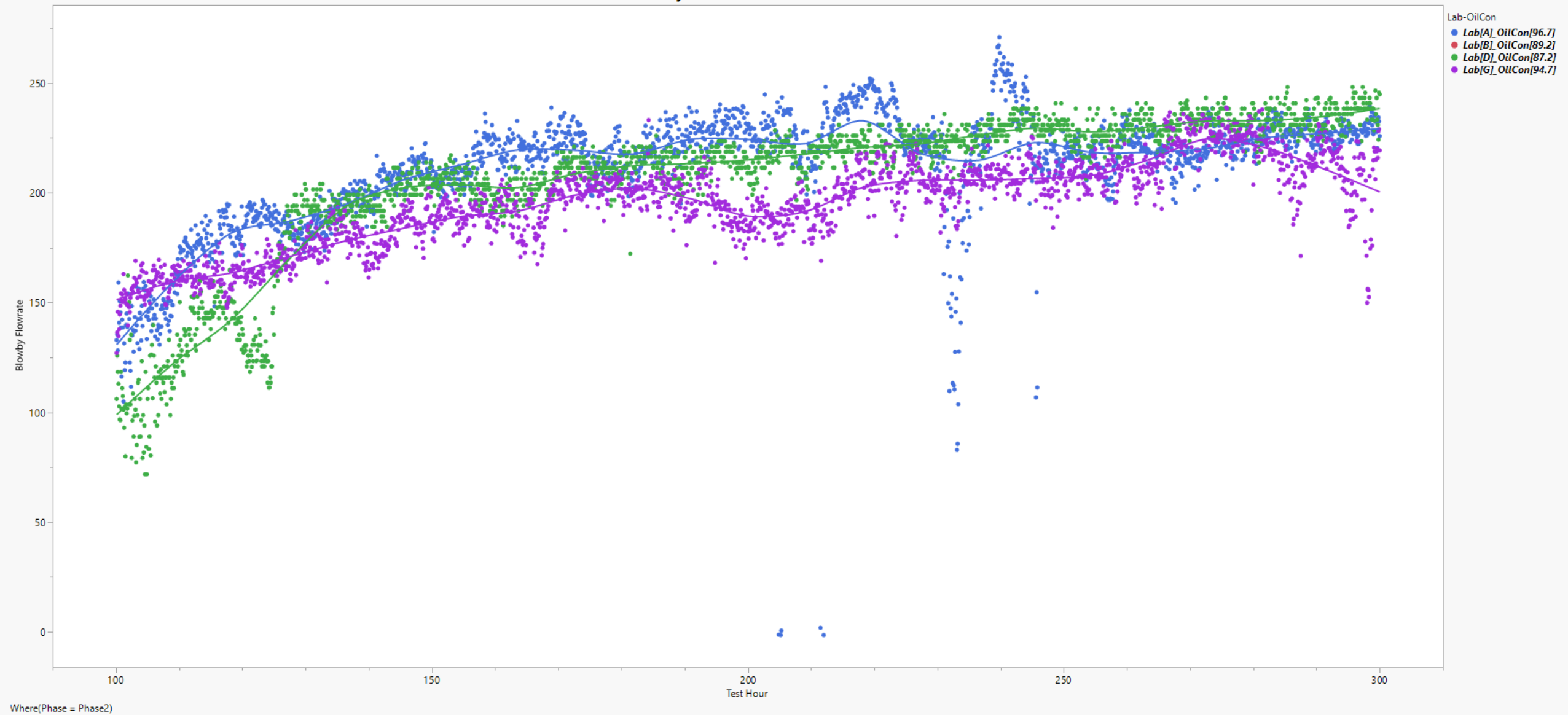
Where(Phase = Phase2)



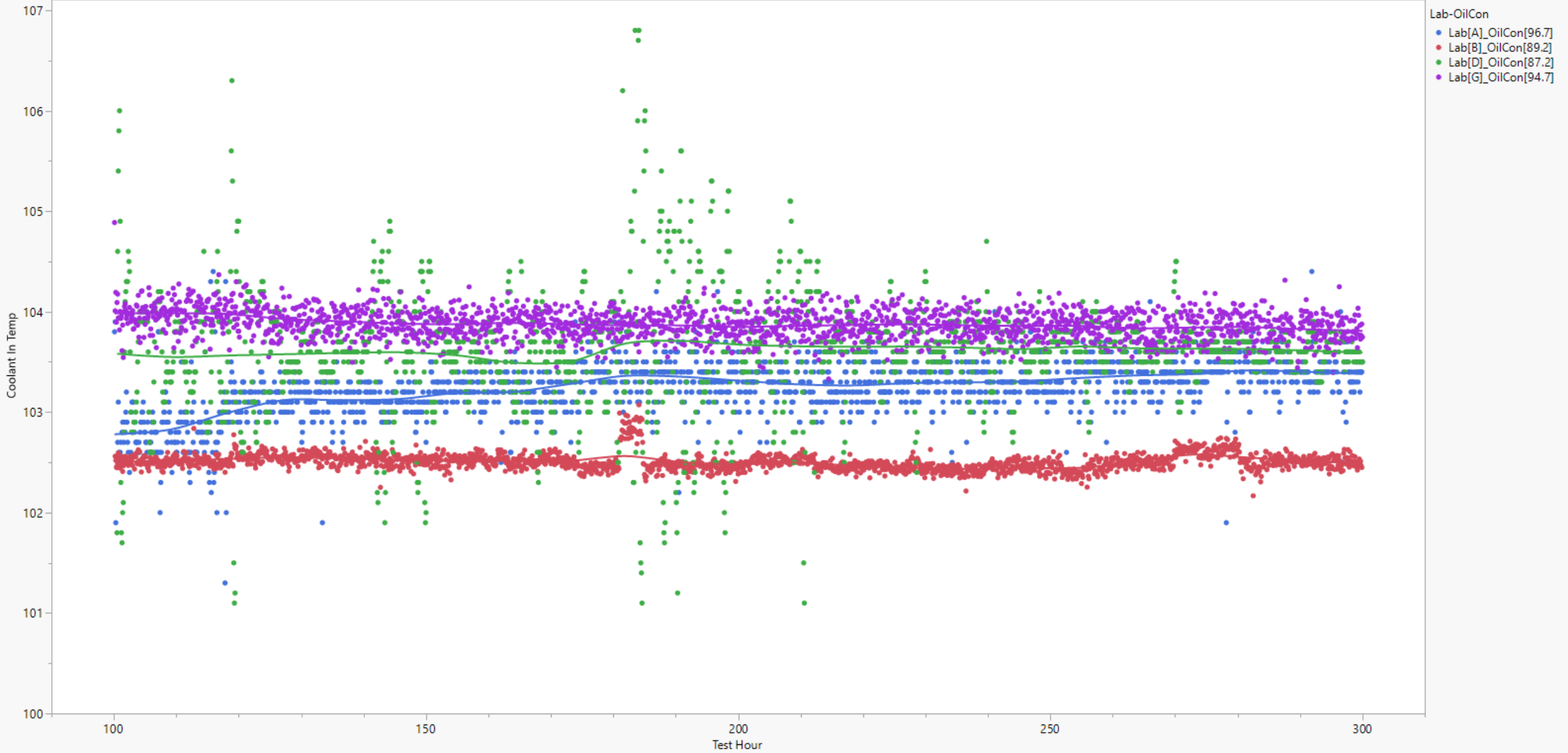
Air After Intercooler Pressure vs. Test Hour



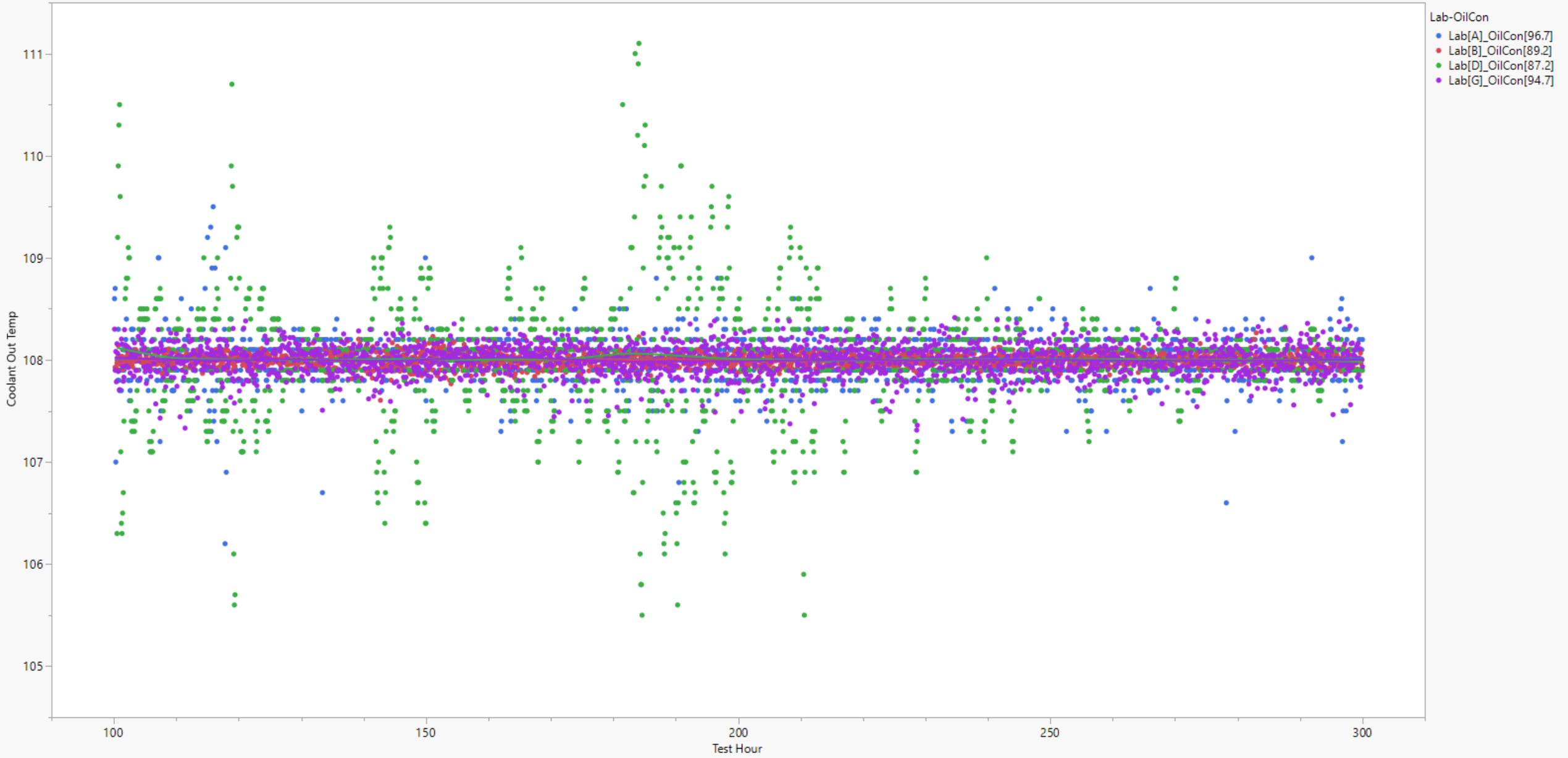
Blowby Flowrate vs. Test Hour



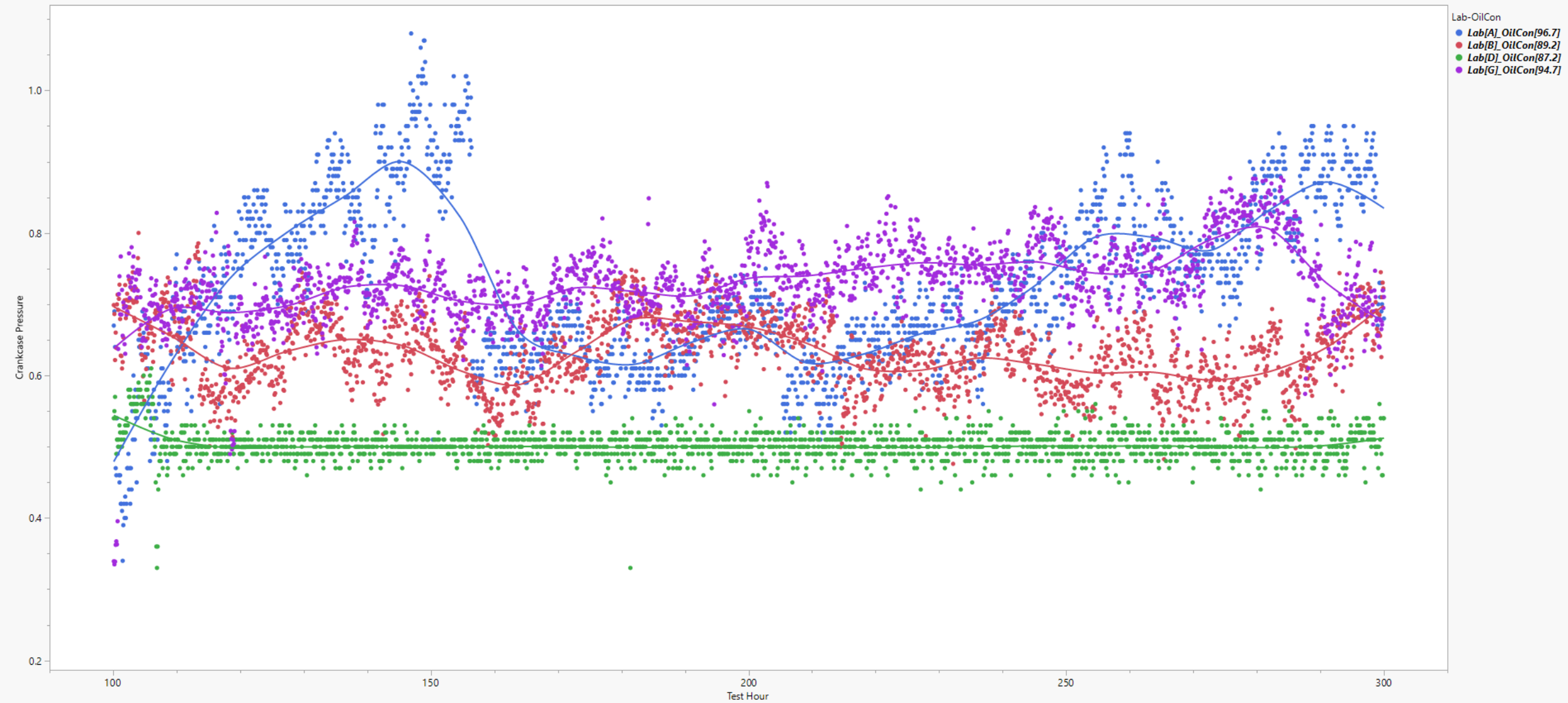
Coolant In Temp vs. Test Hour



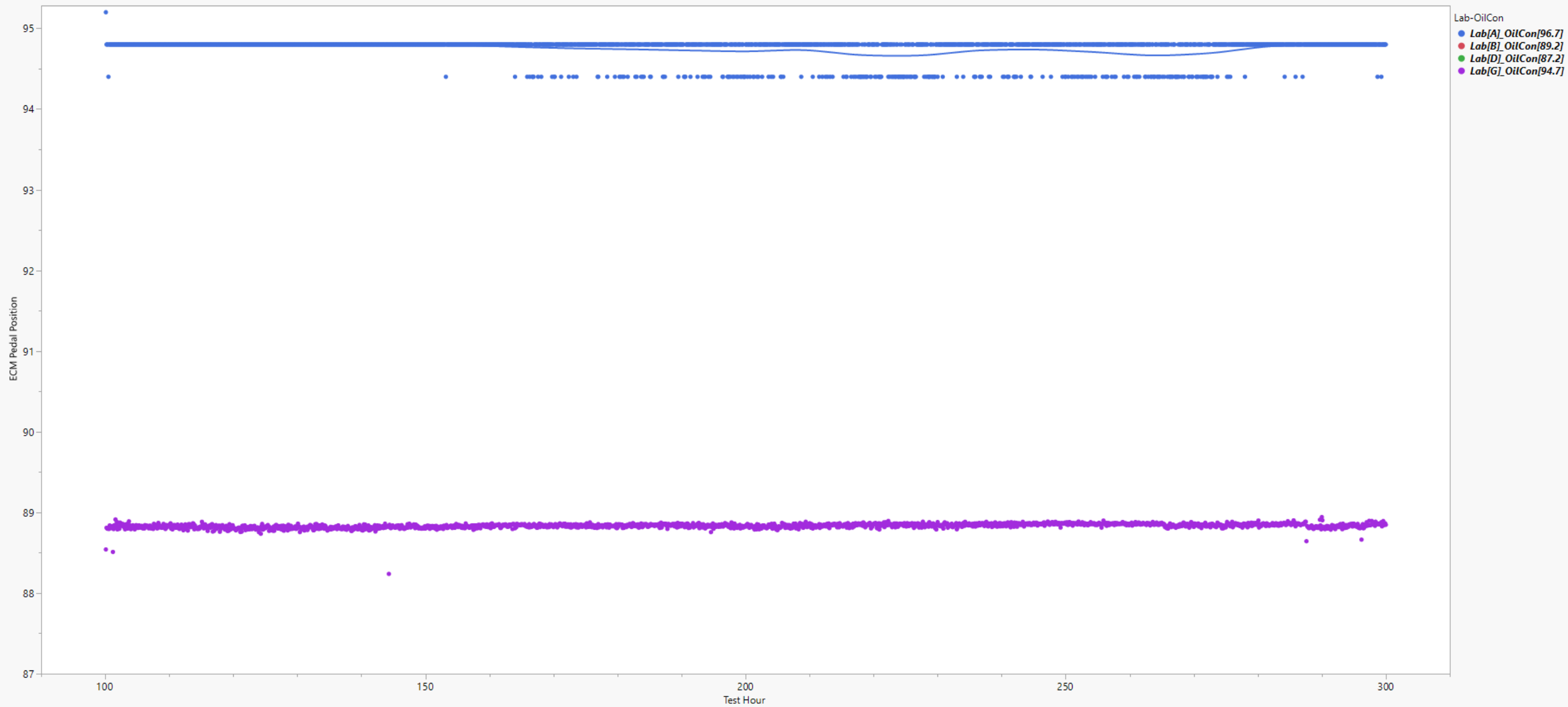
Coolant Out Temp vs. Test Hour



Crankcase Pressure vs. Test Hour

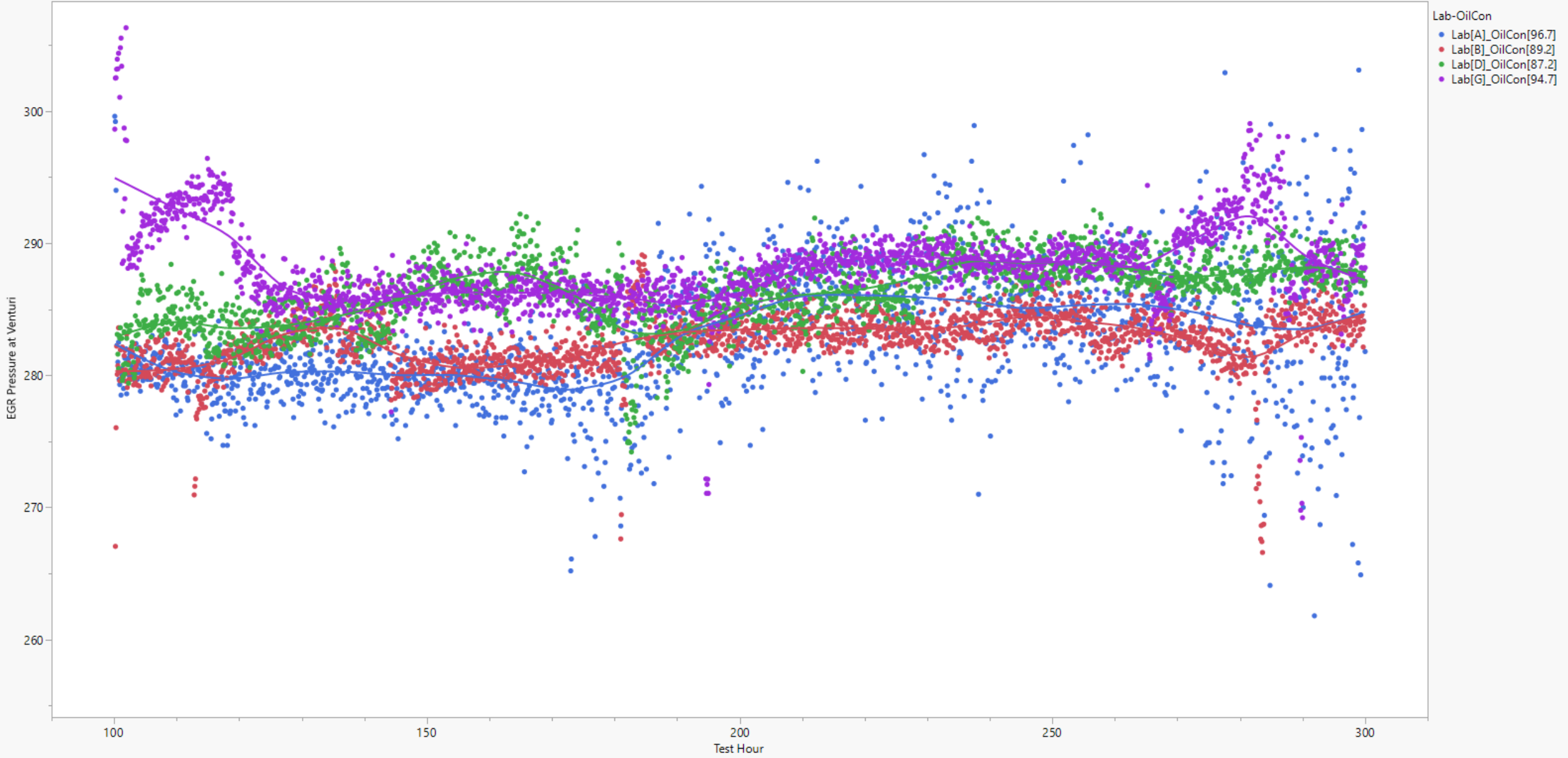


ECM Pedal Position vs. Test Hour

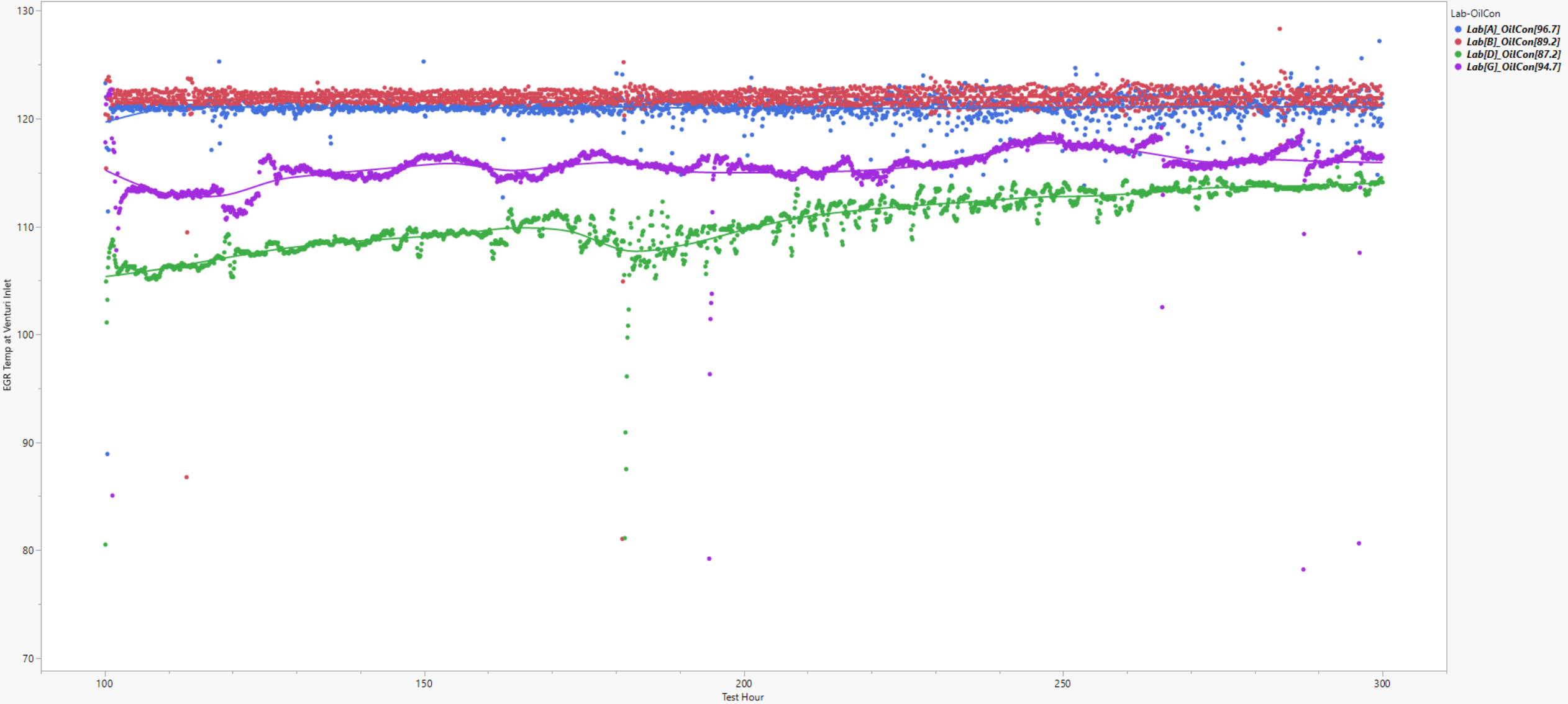




EGR Pressure at Venturi vs. Test Hour



EGR Temp at Venturi Inlet vs. Test Hour

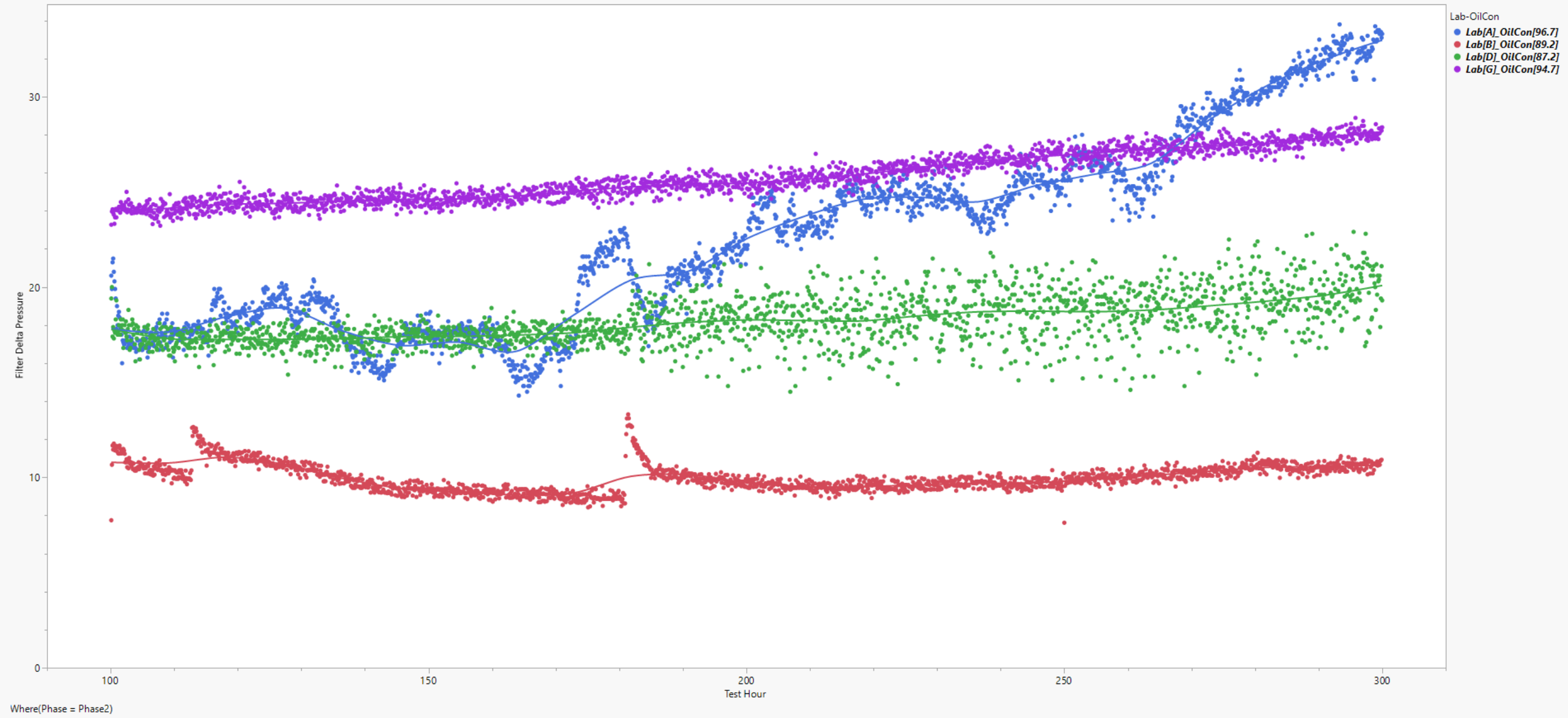




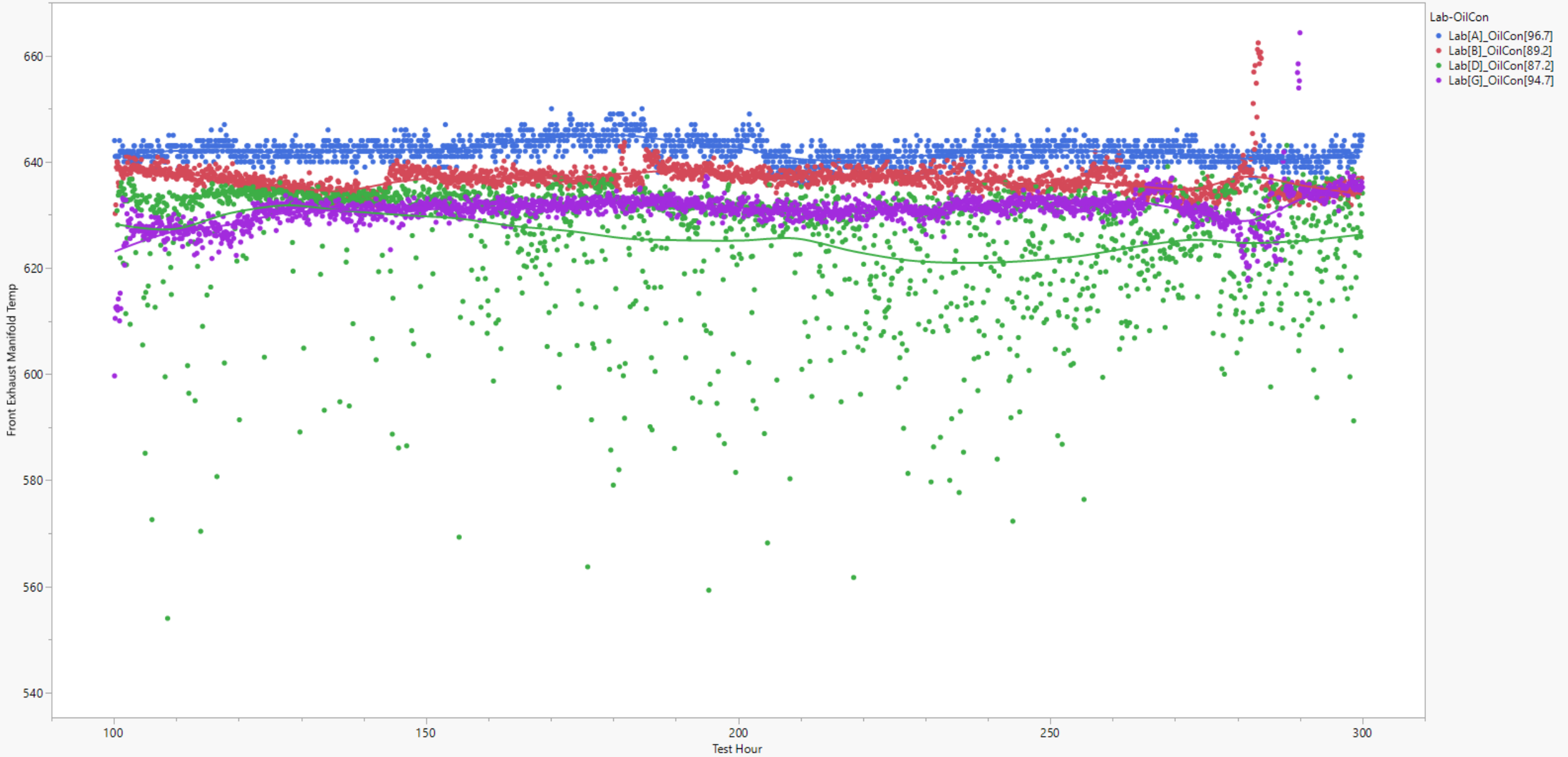
Exhaust After Turbo Pressure vs. Test Hour



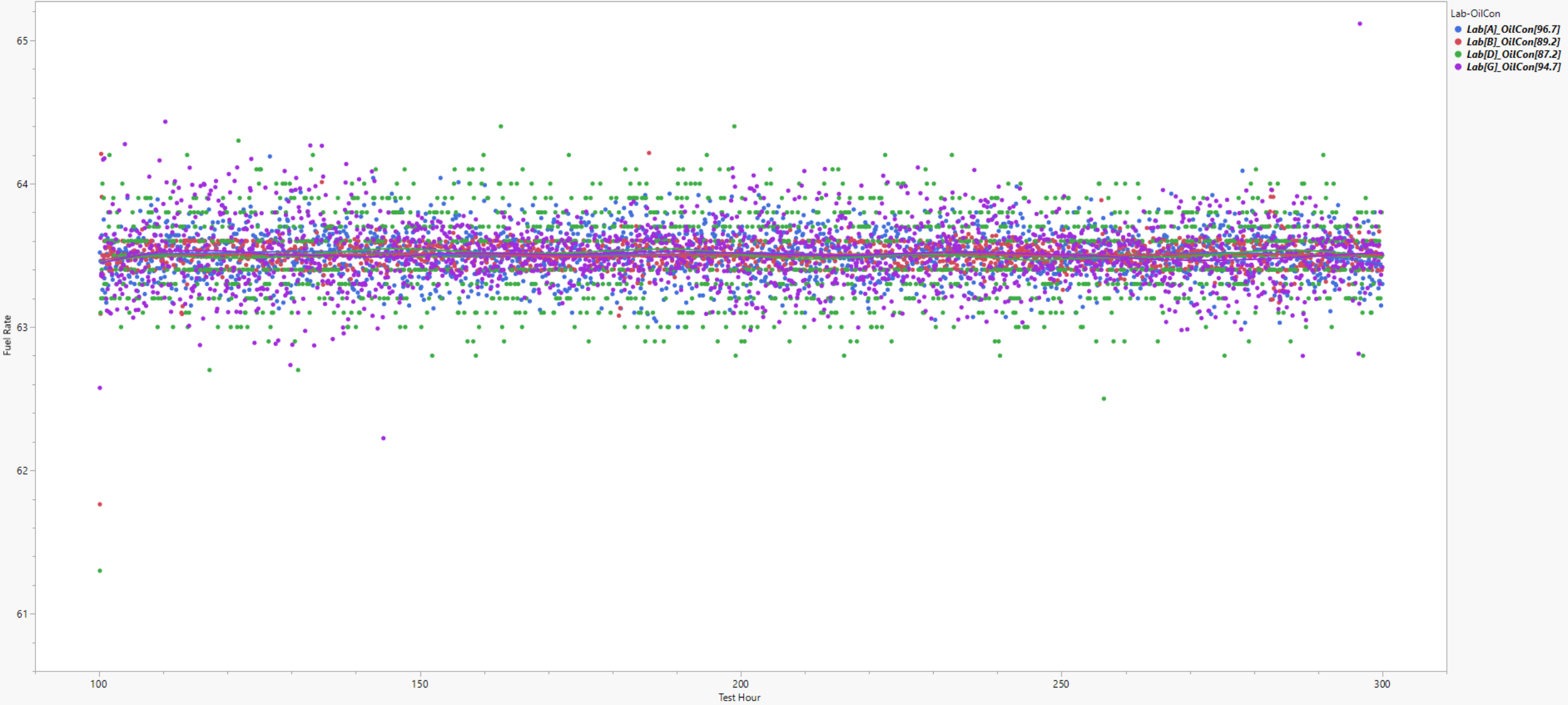
Filter Delta Pressure vs. Test Hour



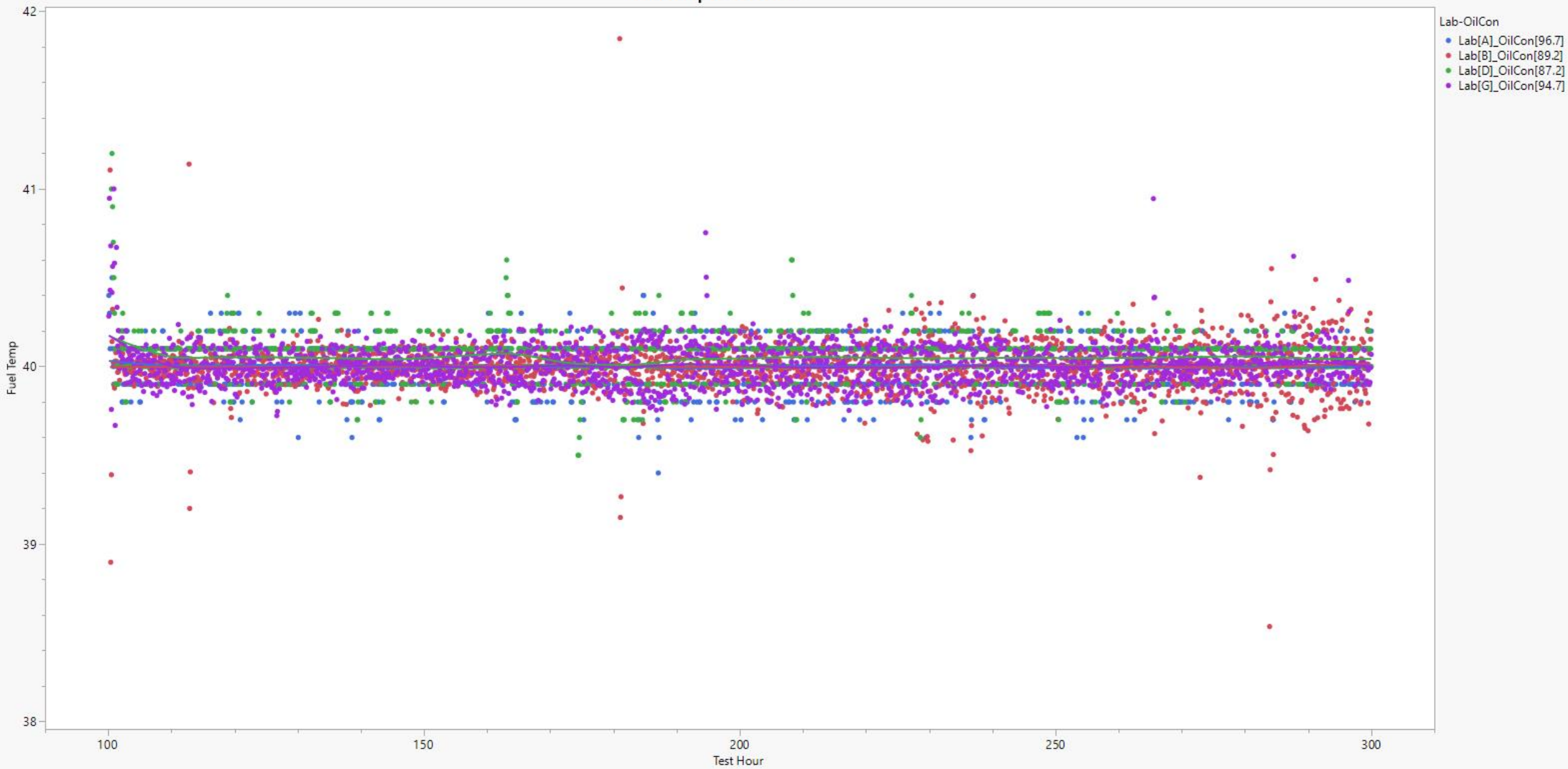
Front Exhaust Manifold Temp vs. Test Hour



Fuel Rate vs. Test Hour

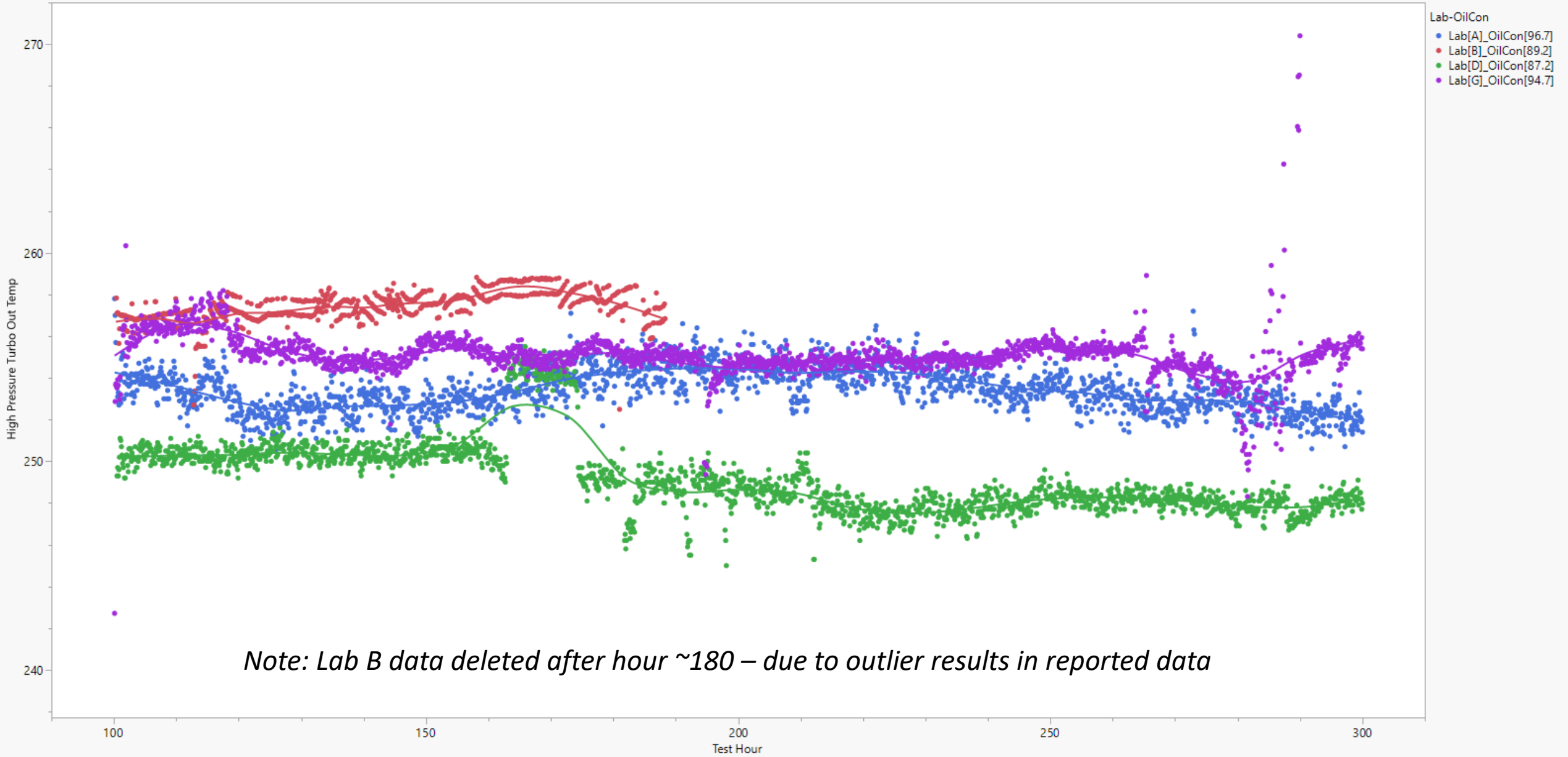


Fuel Temp vs. Test Hour

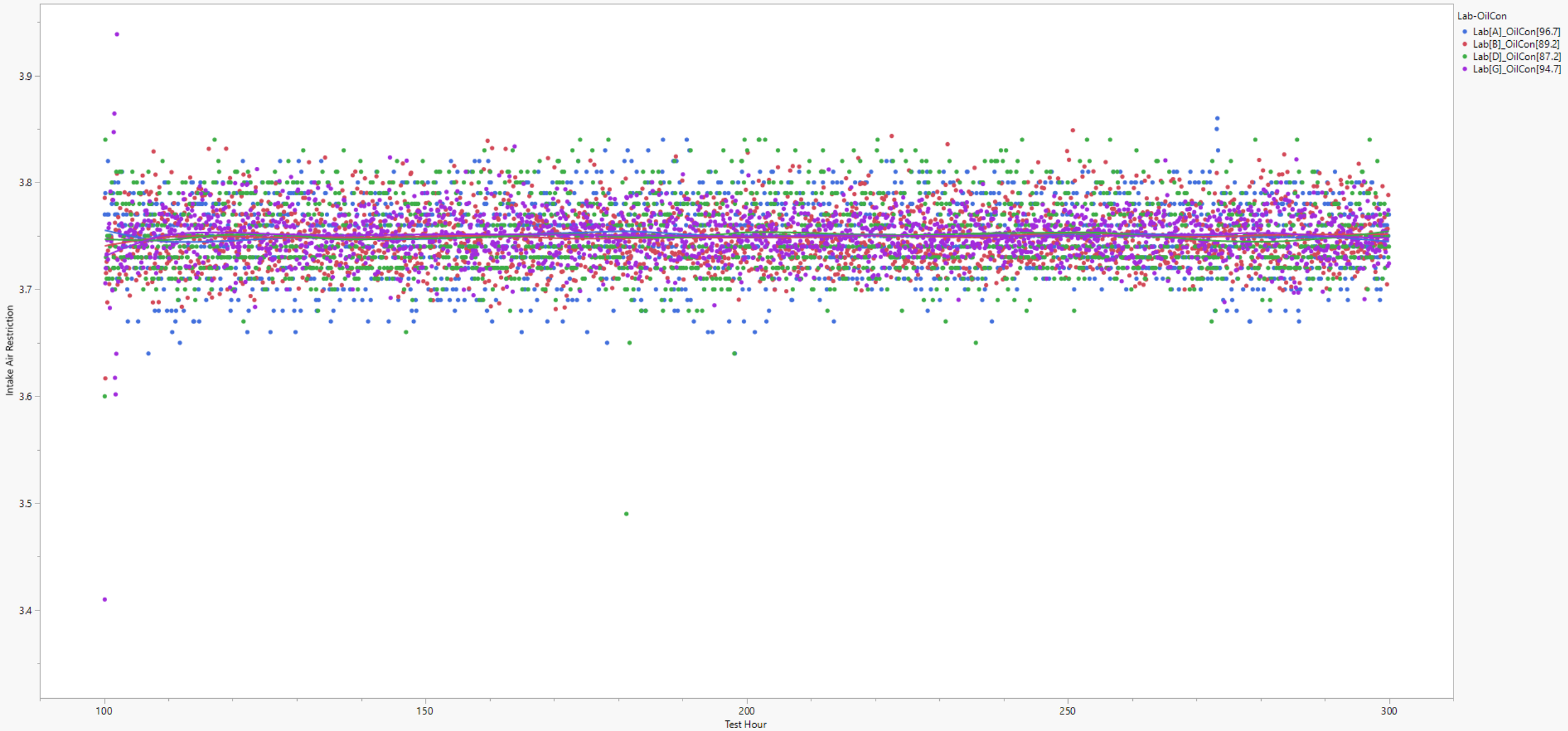




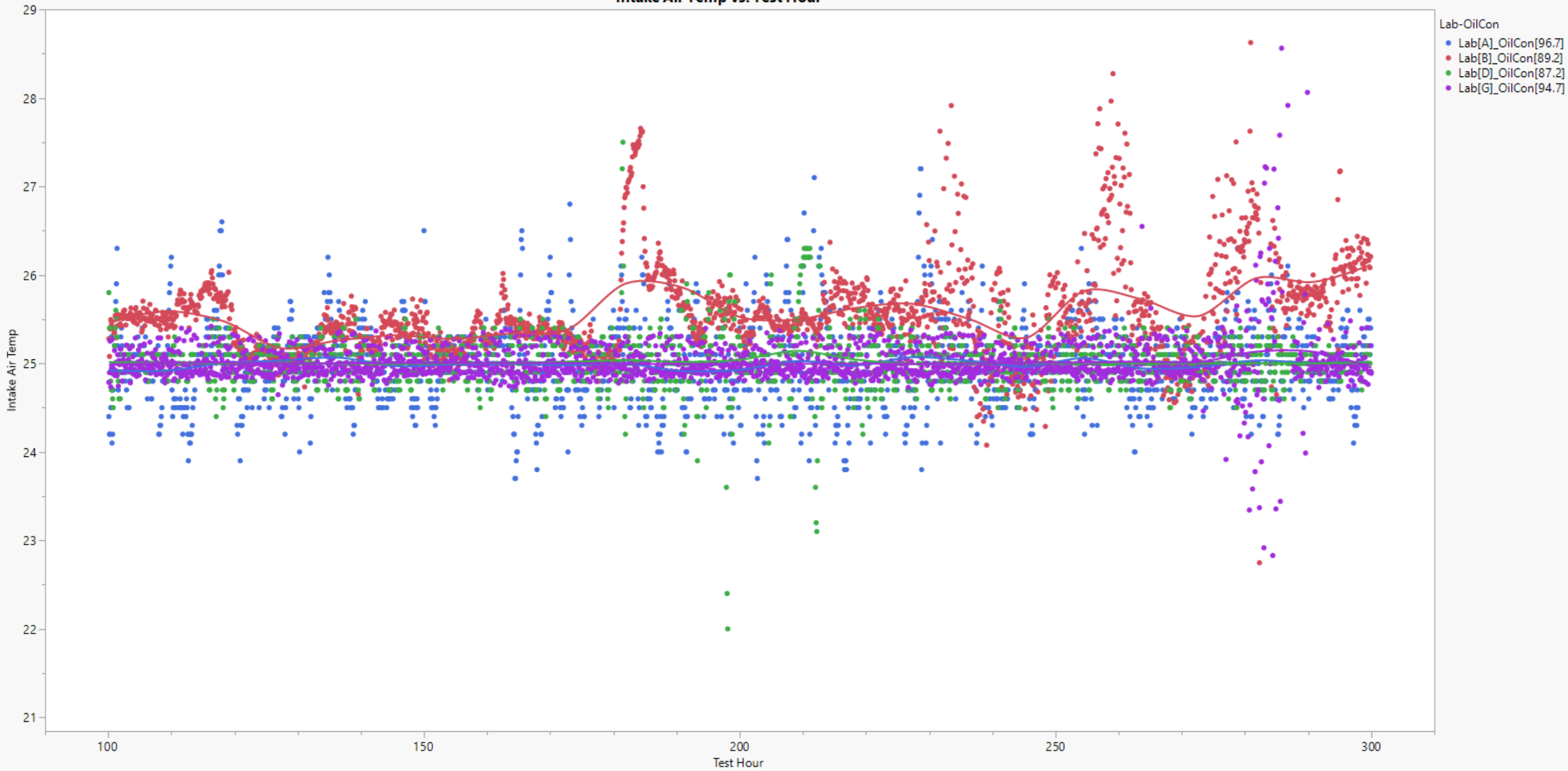
High Pressure Turbo Out Temp vs. Test Hour



Intake Air Restriction vs. Test Hour

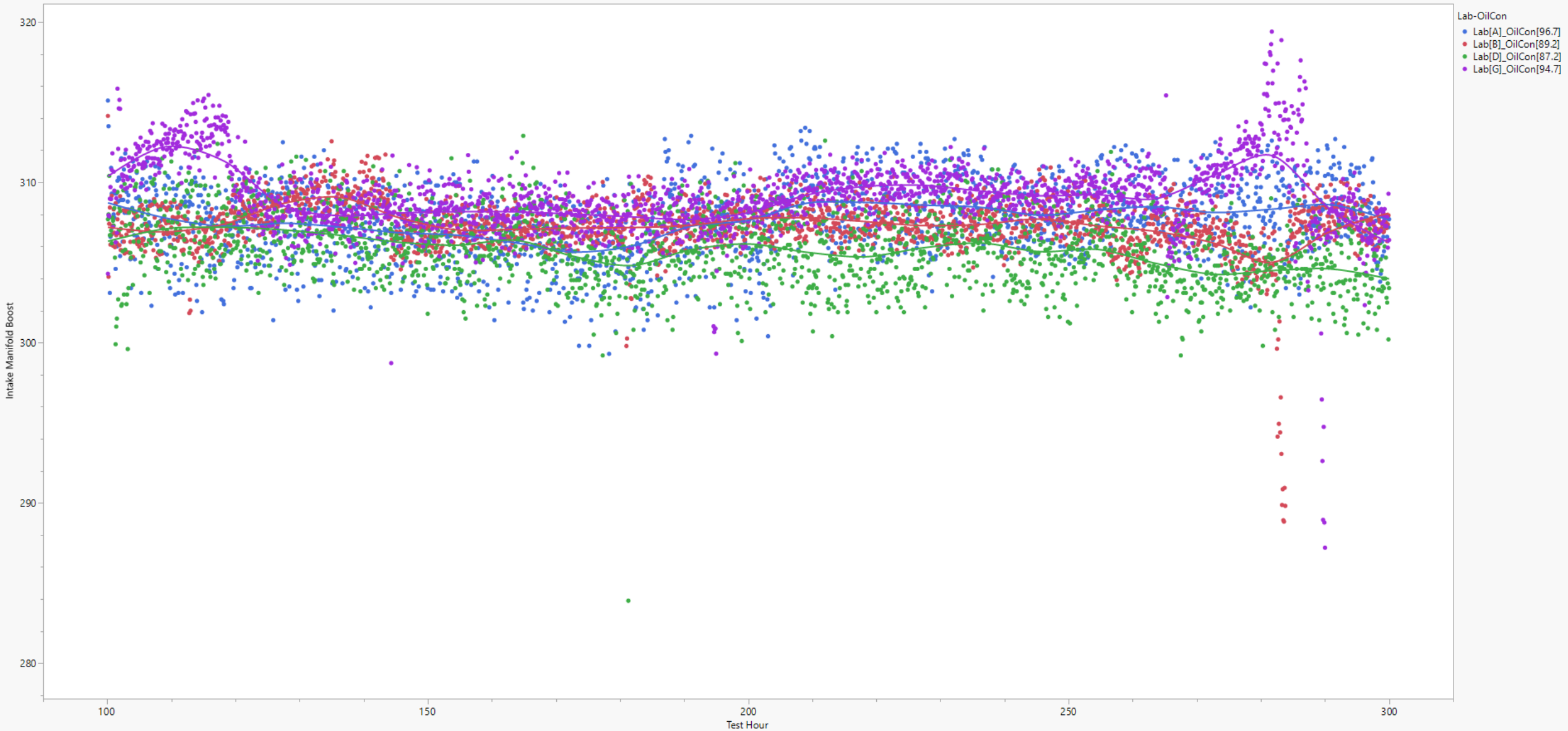


Intake Air Temp vs. Test Hour

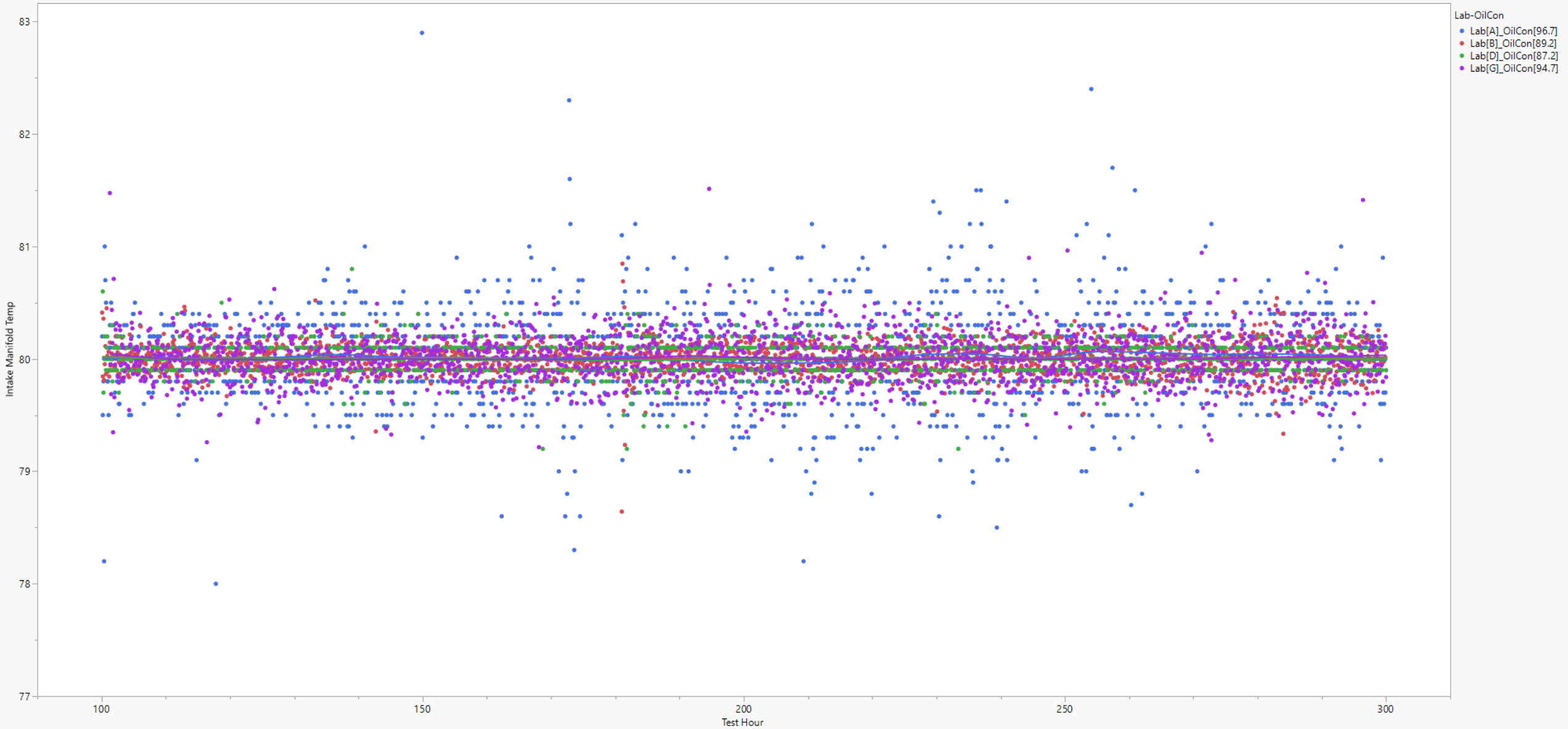




Intake Manifold Boost vs. Test Hour



Intake Manifold Temp vs. Test Hour



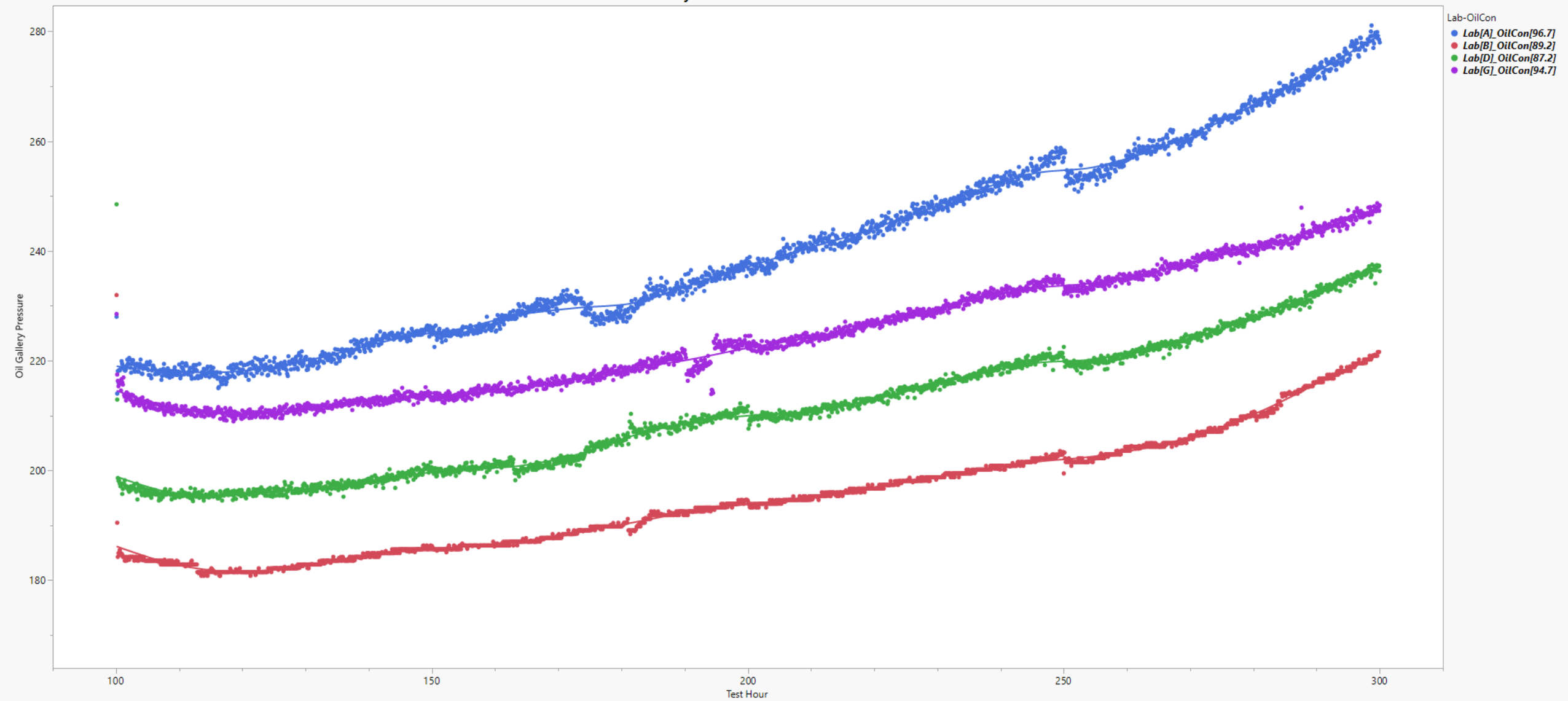
Left EGR Cooler Outlet Temp vs. Test Hour

- Lab[A]\_OilCon[96.7]
- Lab[B]\_OilCon[89.2]
- Lab[D]\_OilCon[87.2]
- Lab[G]\_OilCon[94.7]



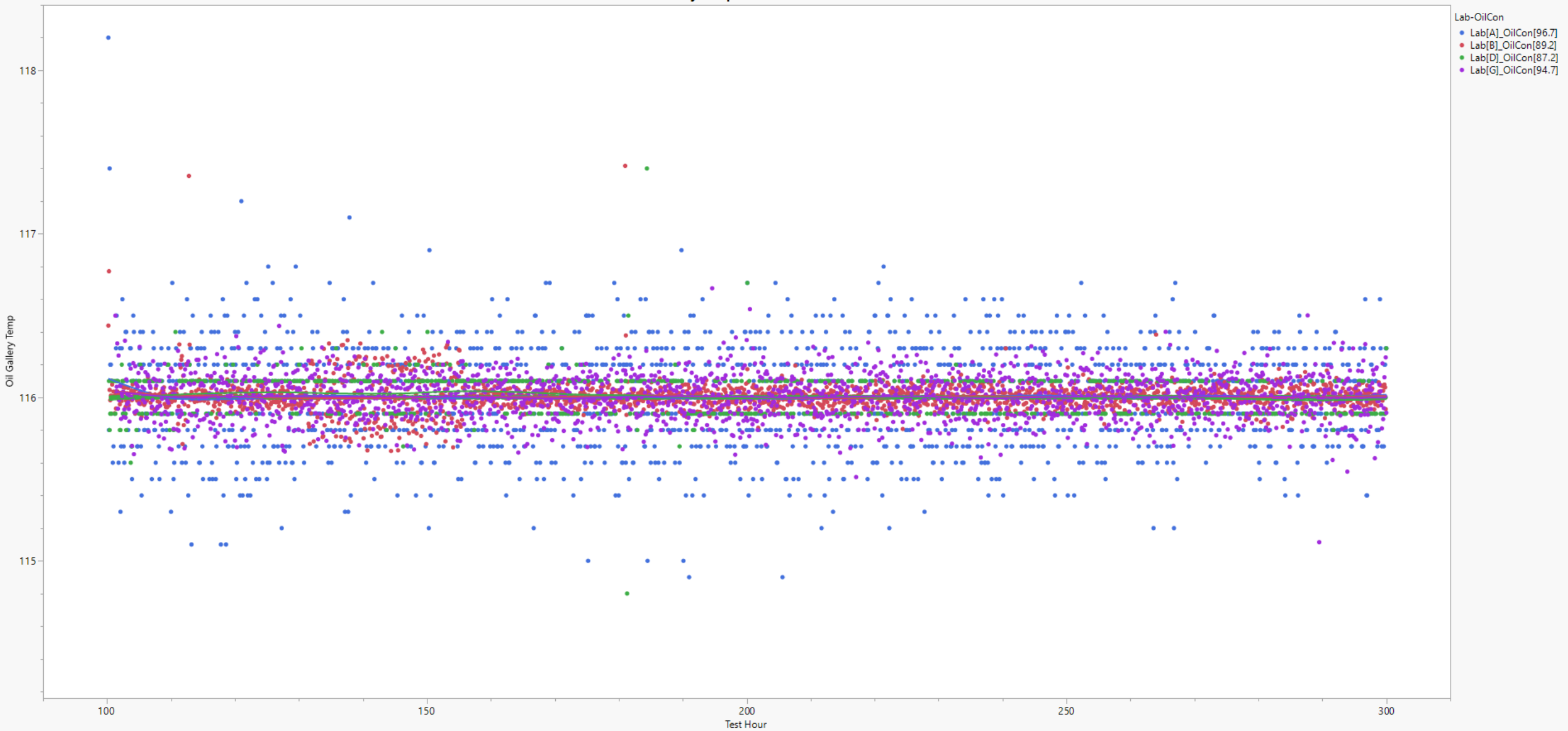
*Note: Lab G data deleted after hour ~200 – due to outlier results in reported data*

Oil Gallery Pressure vs. Test Hour

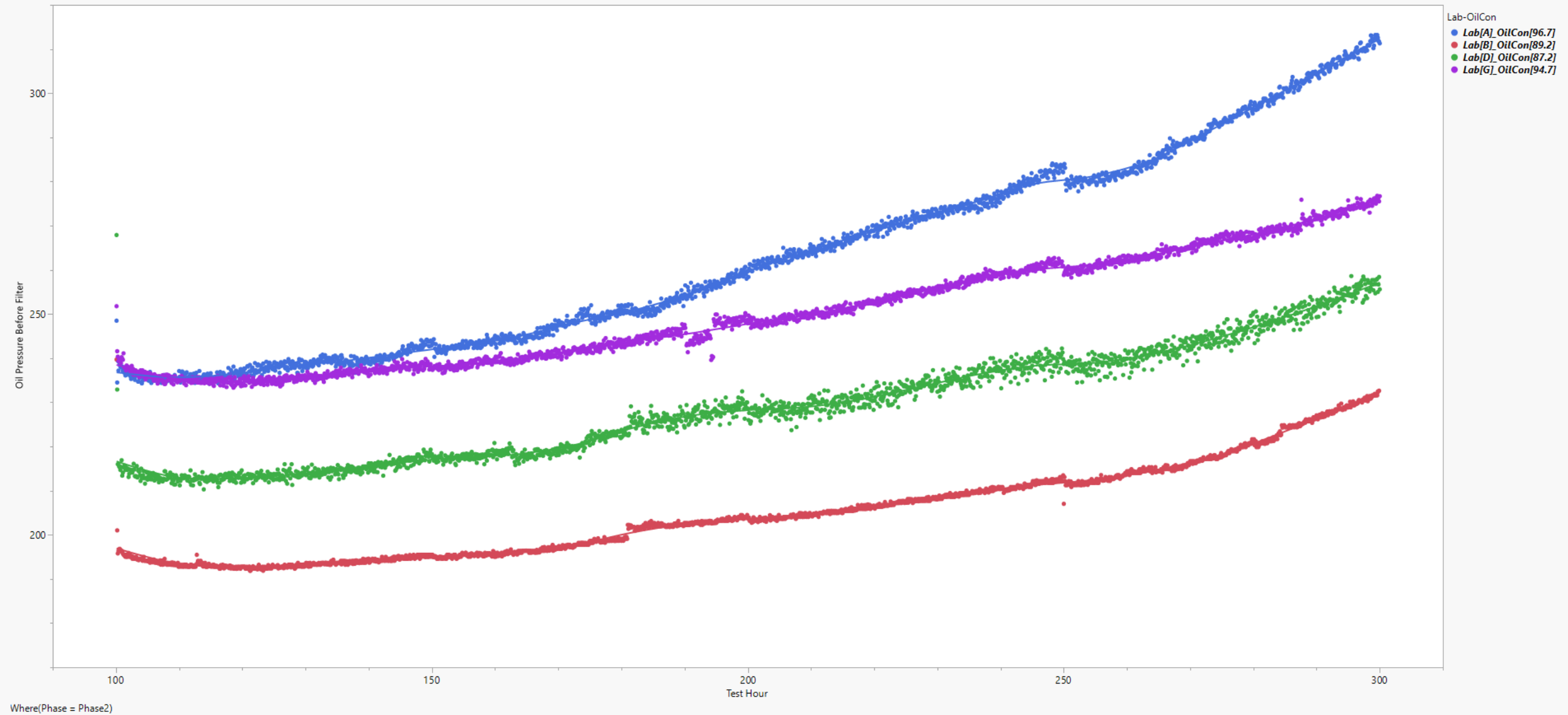


Where(Phase = Phase2)

Oil Gallery Temp vs. Test Hour

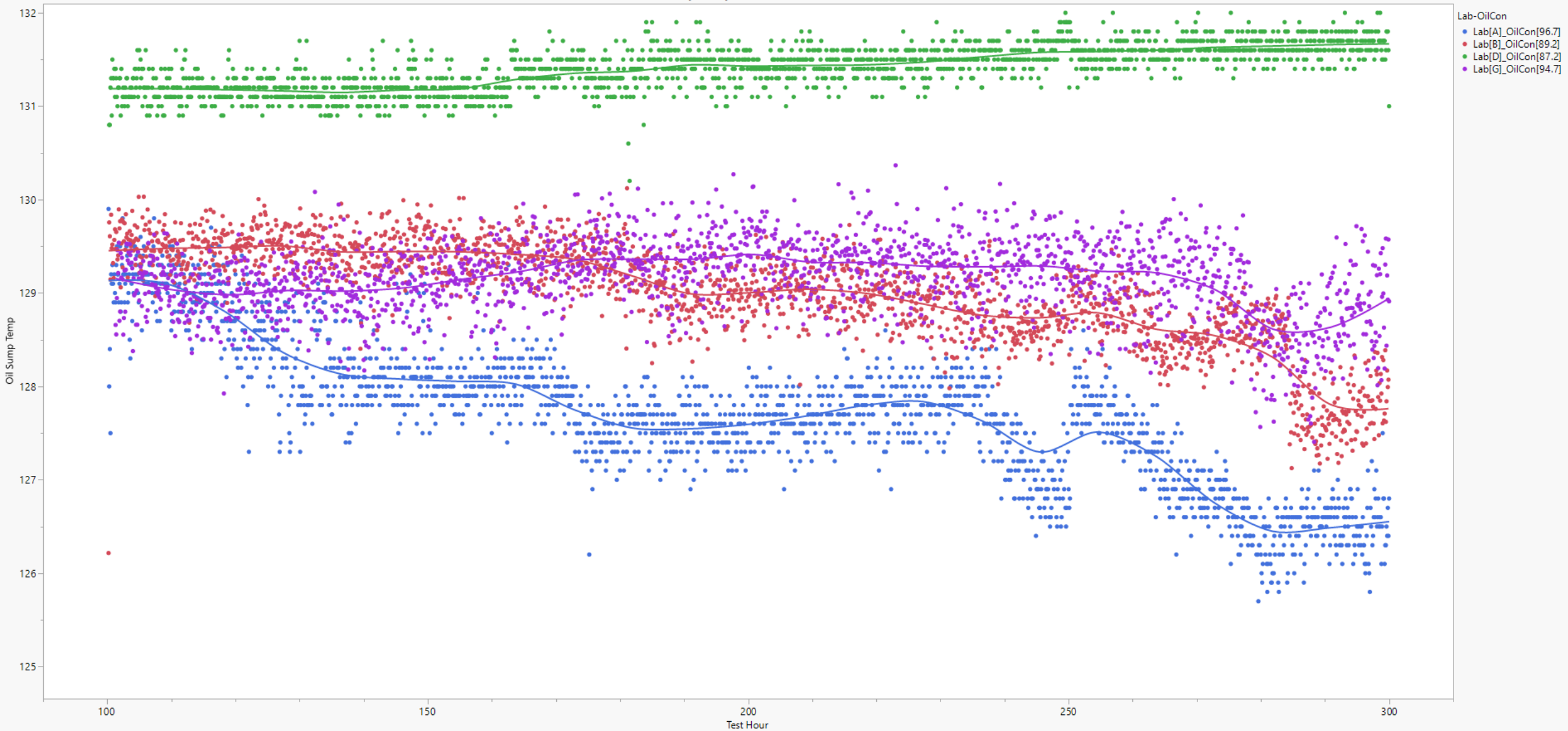


Oil Pressure Before Filter vs. Test Hour

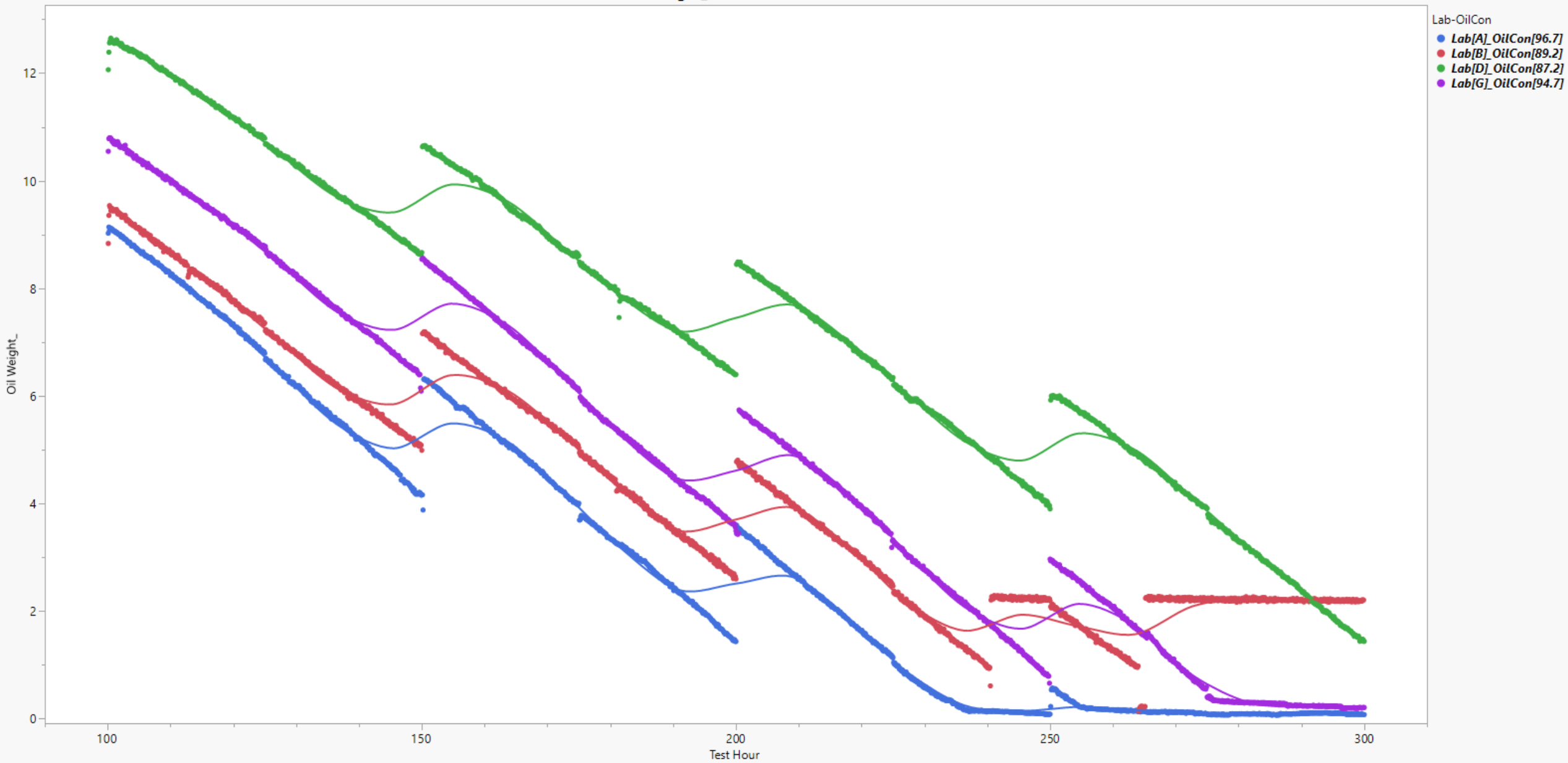




Oil Sump Temp vs. Test Hour



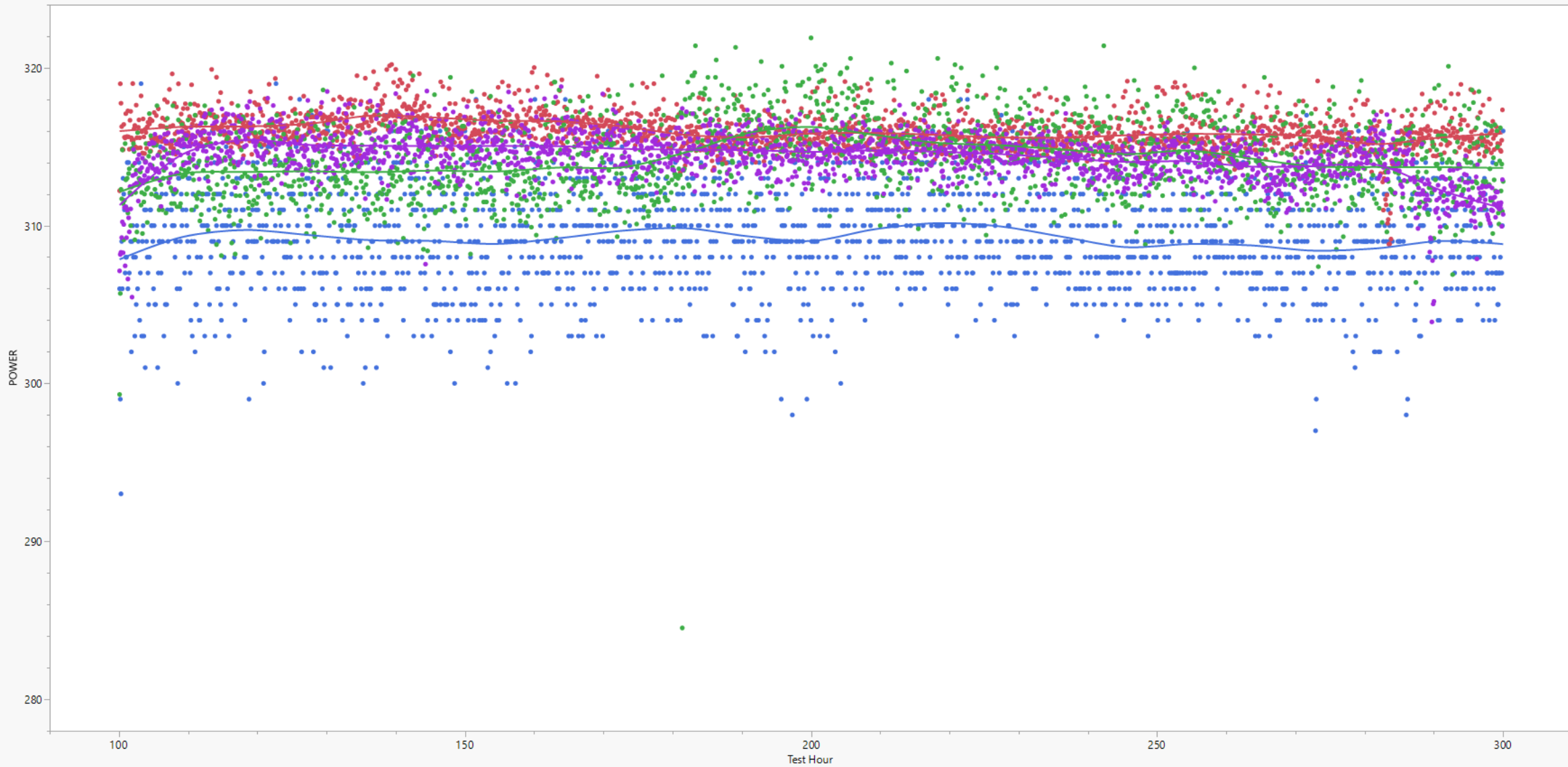
Oil Weight\_ vs. Test Hour





POWER vs. Test Hour

- Lab-OilCon
- Lab[A]\_OilCon[96.7]
- Lab[B]\_OilCon[89.2]
- Lab[D]\_OilCon[87.2]
- Lab[G]\_OilCon[94.7]

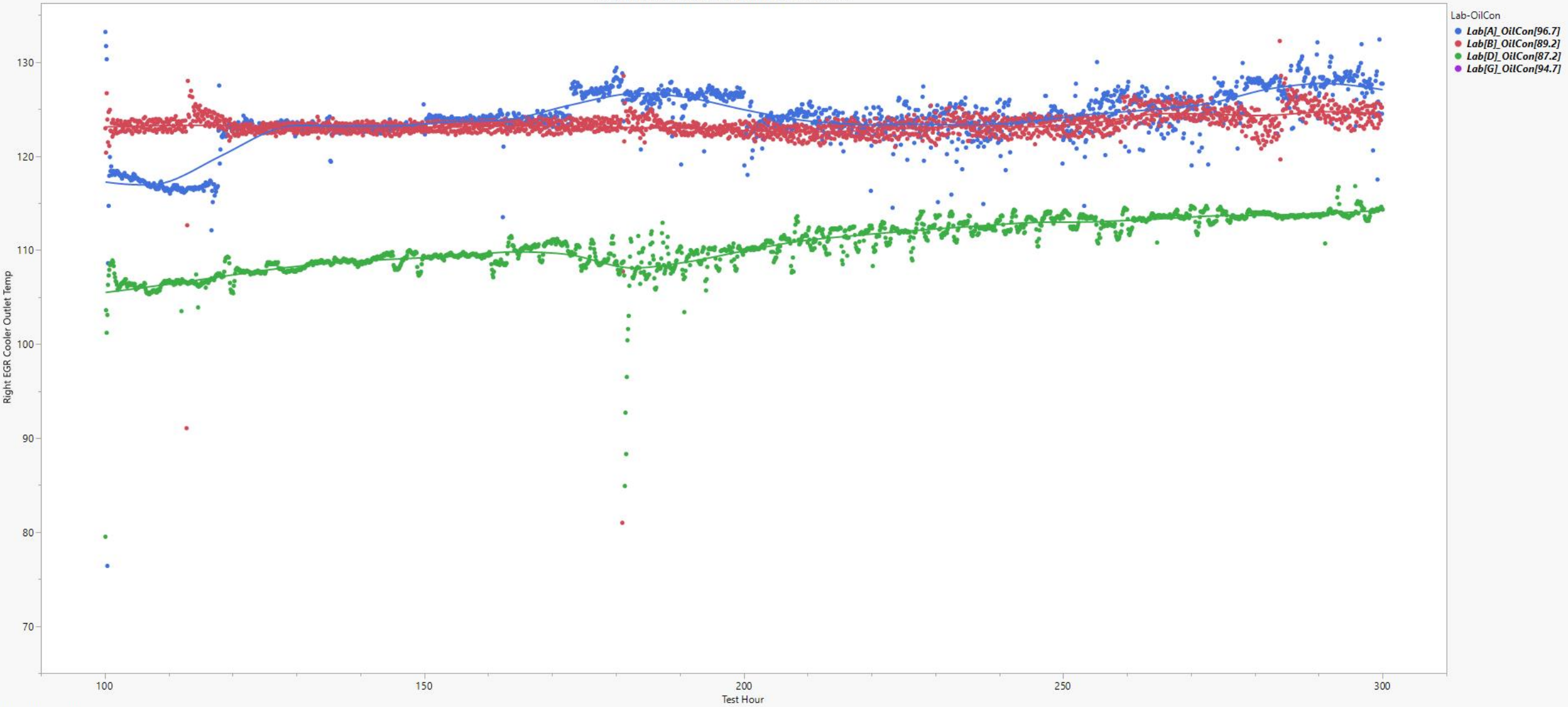


Where(Phase = Phase2)

Rear Exhaust Manifold Temp vs. Test Hour



Right EGR Cooler Outlet Temp vs. Test Hour

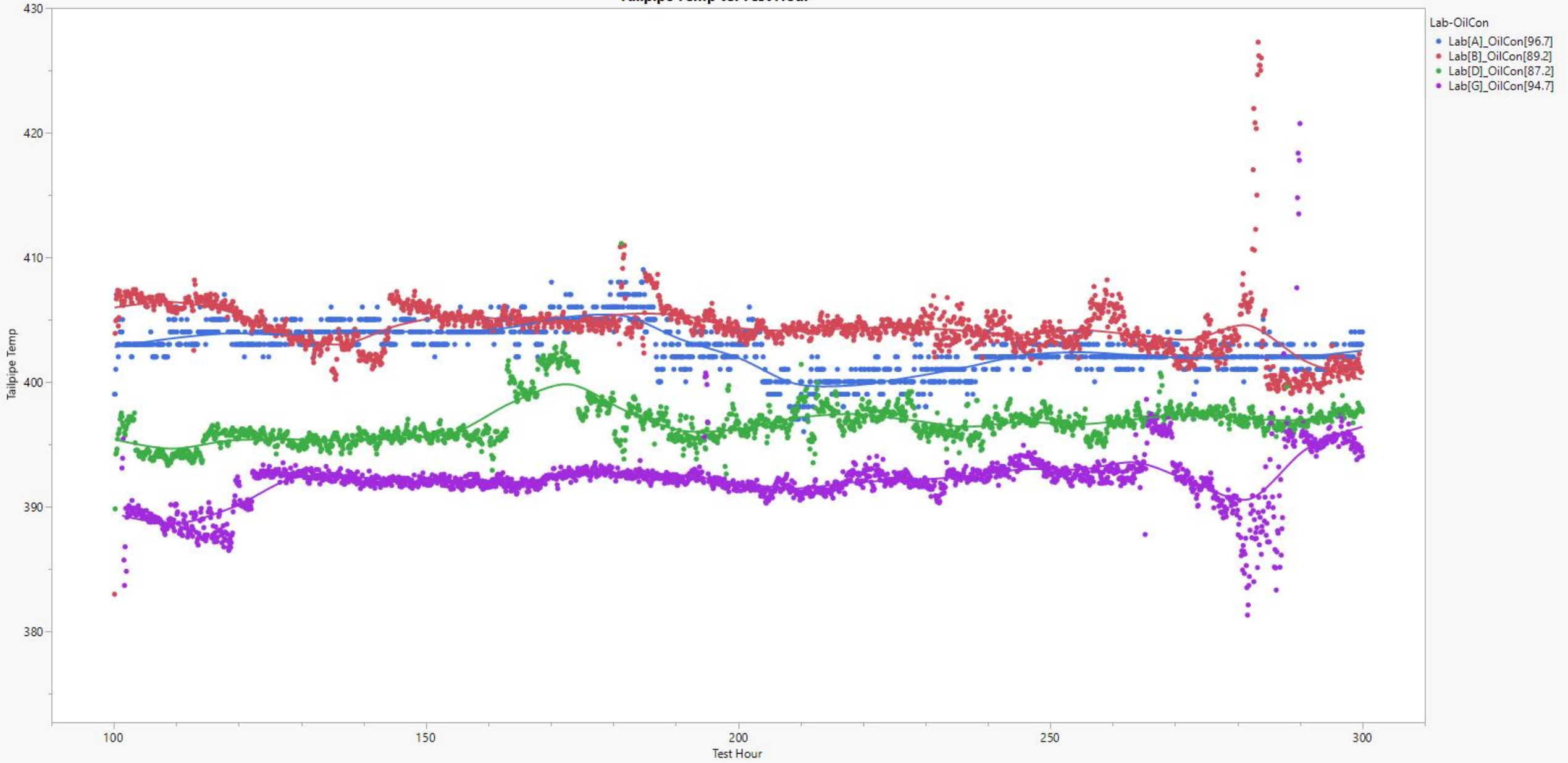


Where(Phase = Phase2)

RPM vs. Test Hour

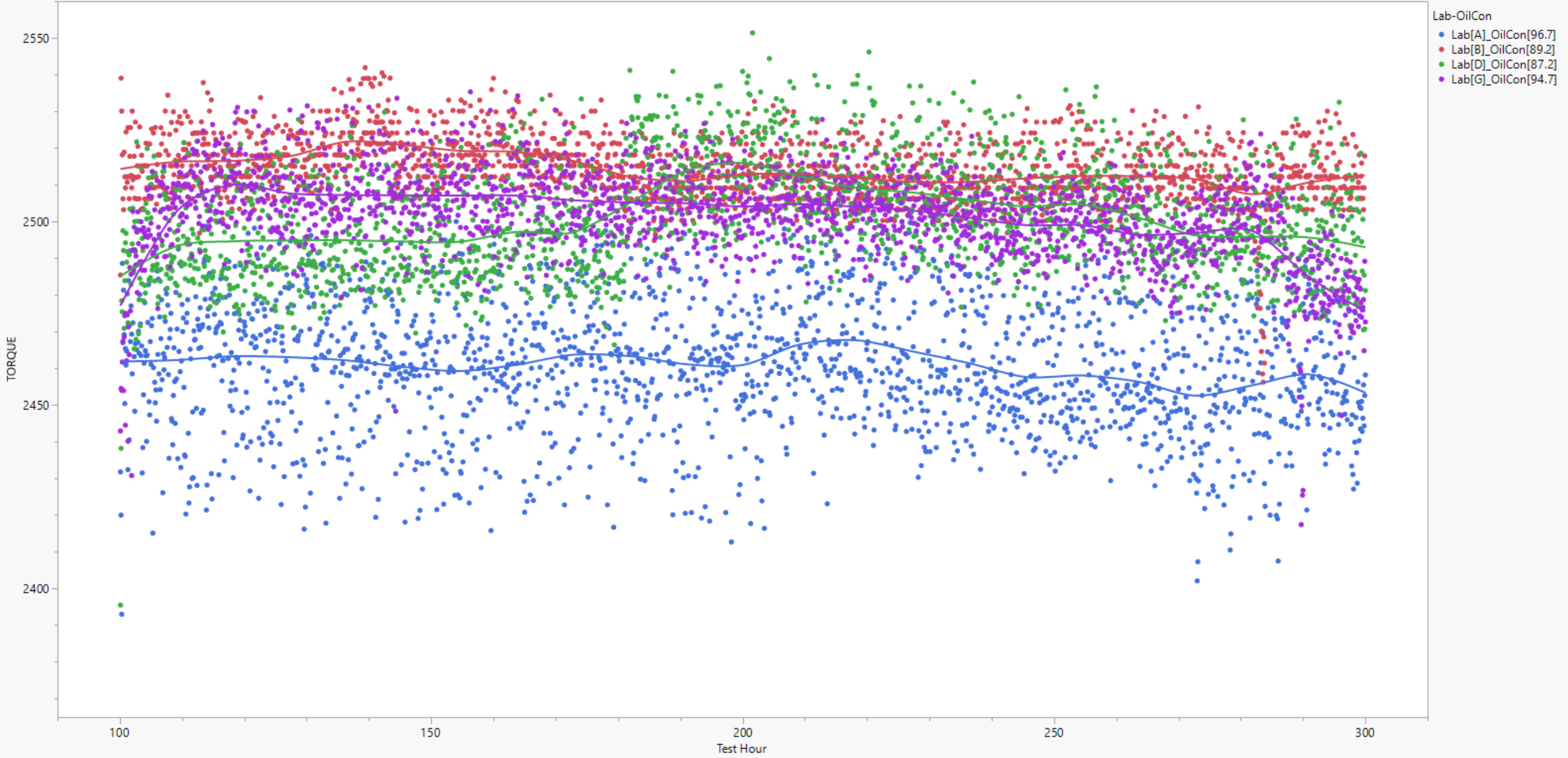


Tailpipe Temp vs. Test Hour





TORQUE vs. Test Hour



Turbo Outlet Pressure vs. Test Hour

