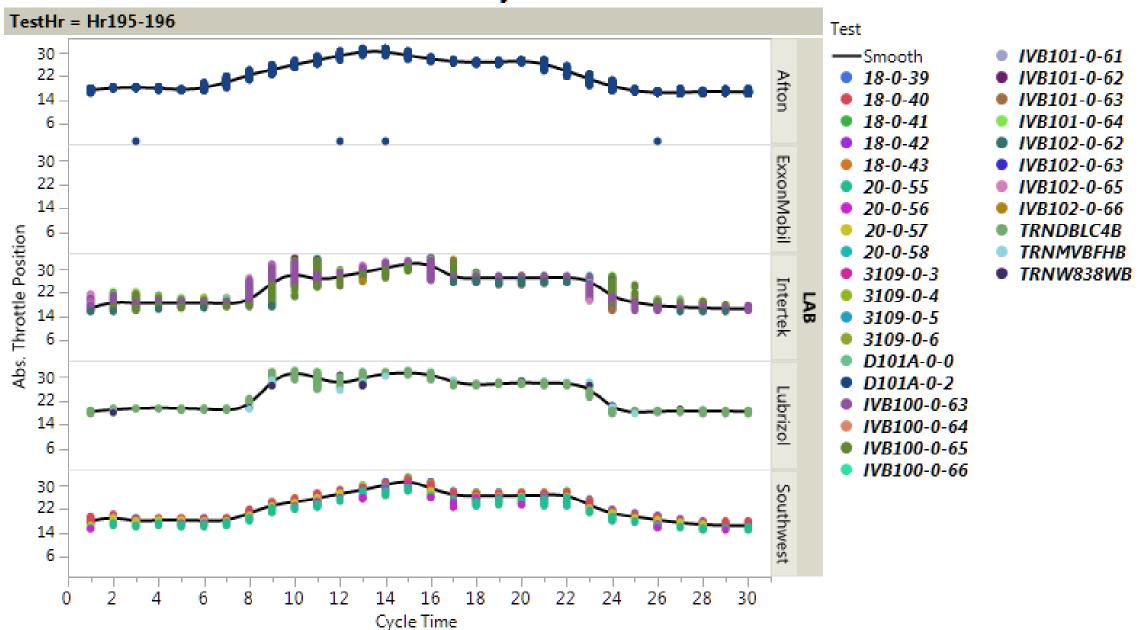
# Operational Plots for All Labs Hrs 195-196, Exclusively

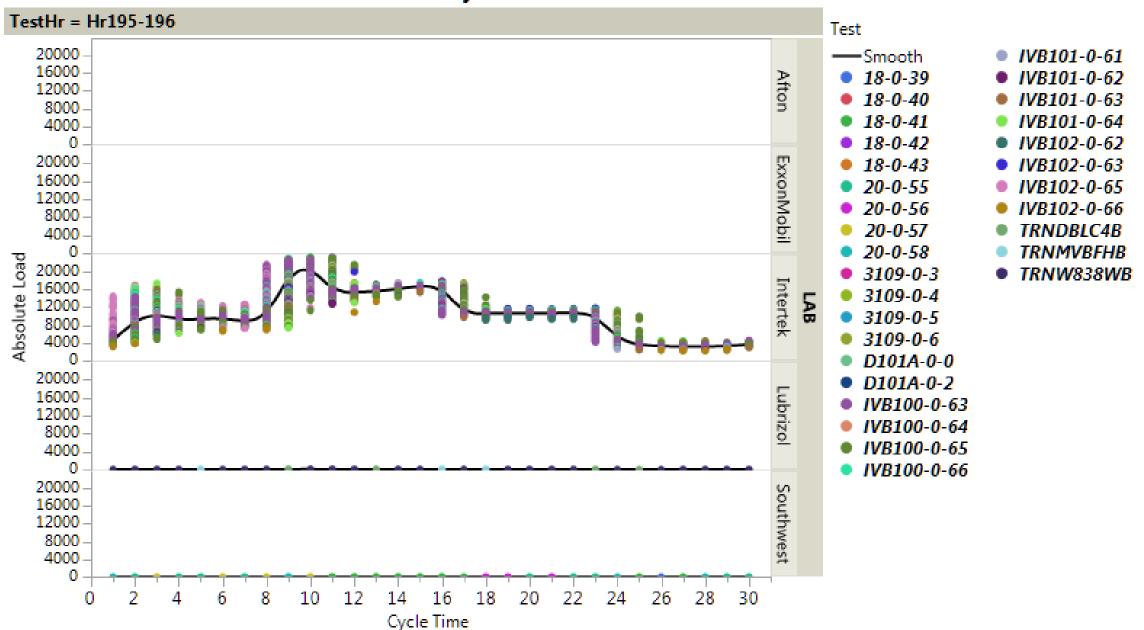
By: Stats Group

02-28-18

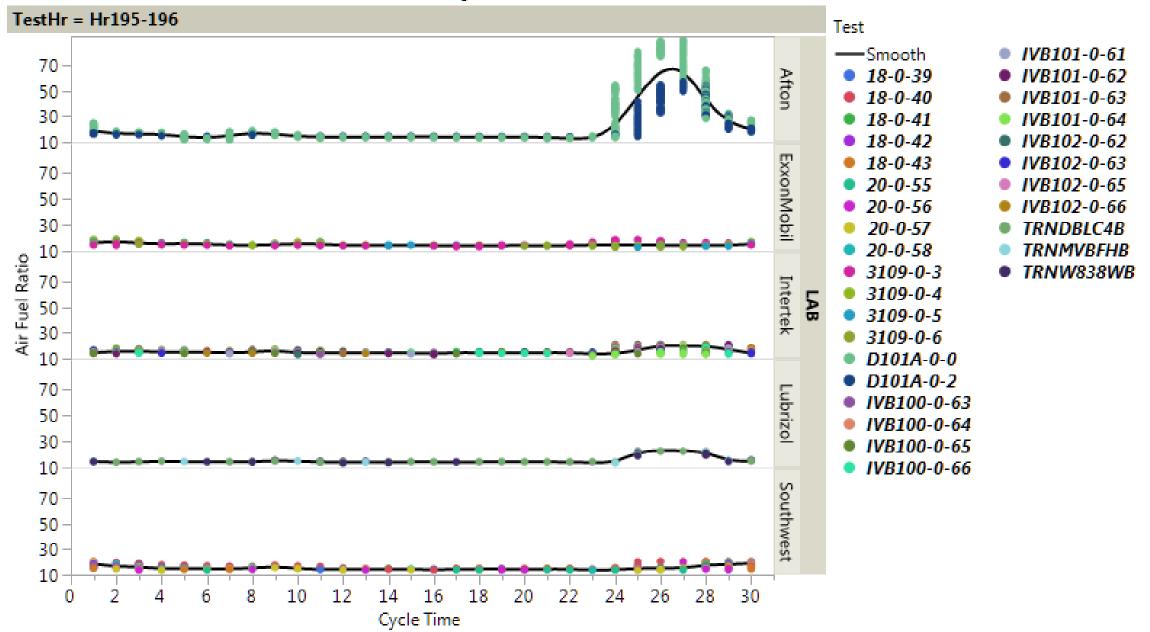
#### Abs. Throttle Position vs. Cycle Time



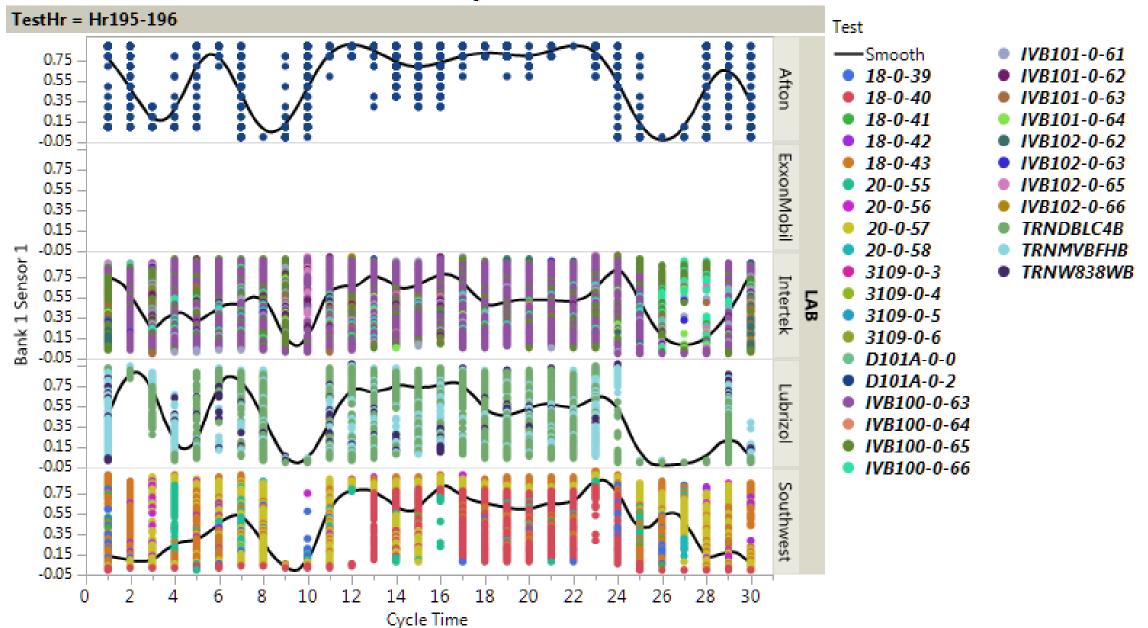
#### Absolute Load vs. Cycle Time



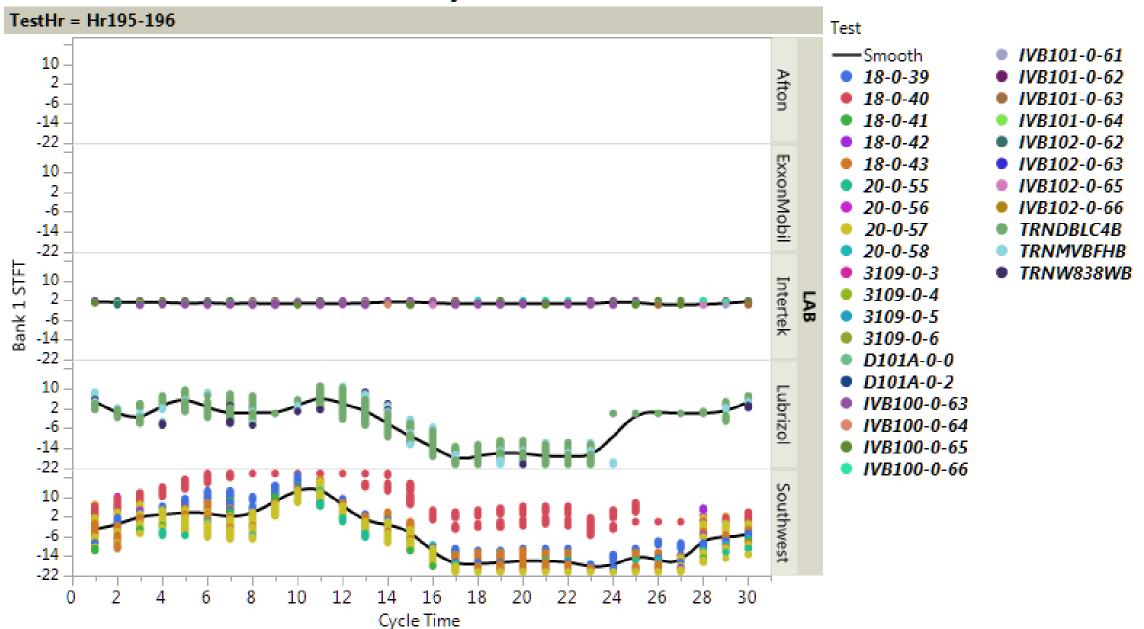
#### Air Fuel Ratio vs. Cycle Time



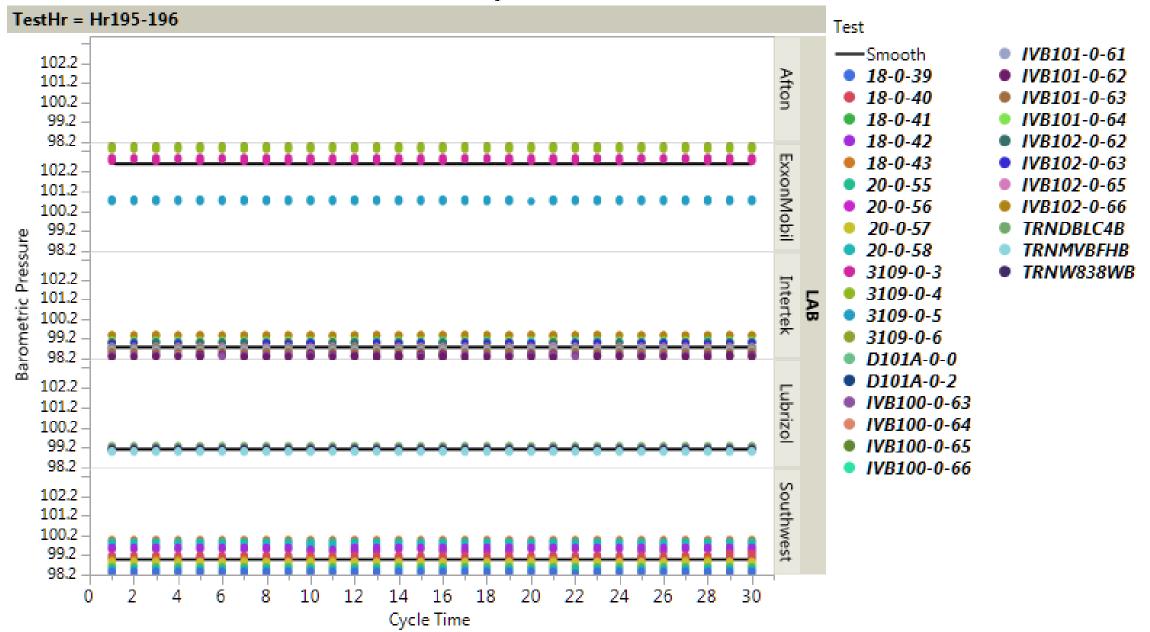
#### Bank 1 Sensor 1 vs. Cycle Time



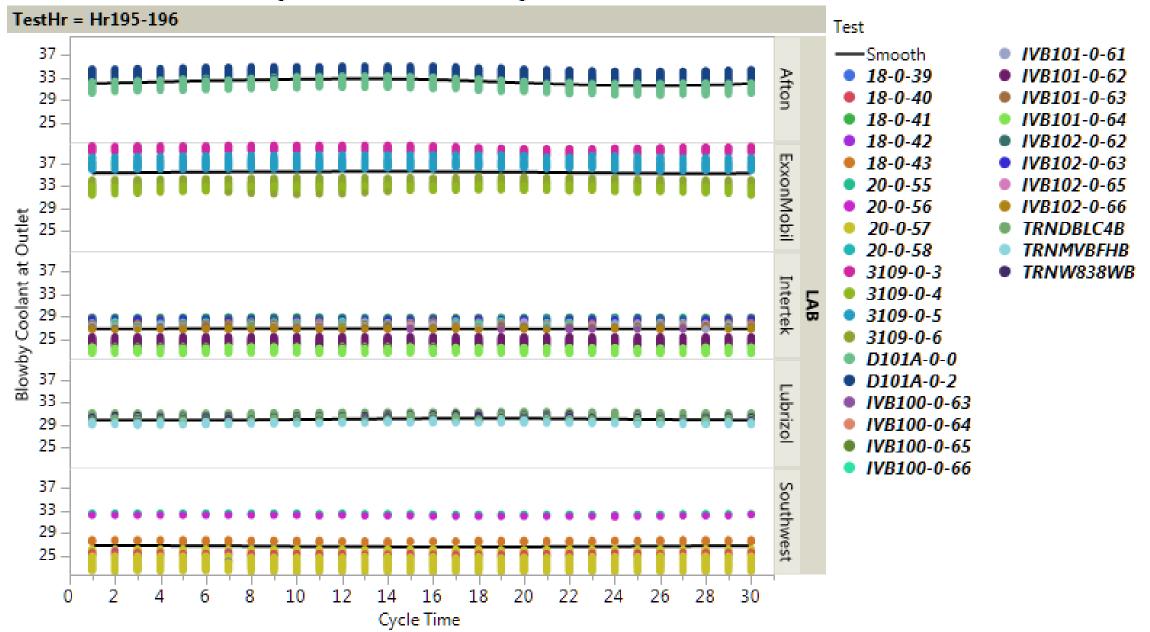
#### Bank 1 STFT vs. Cycle Time



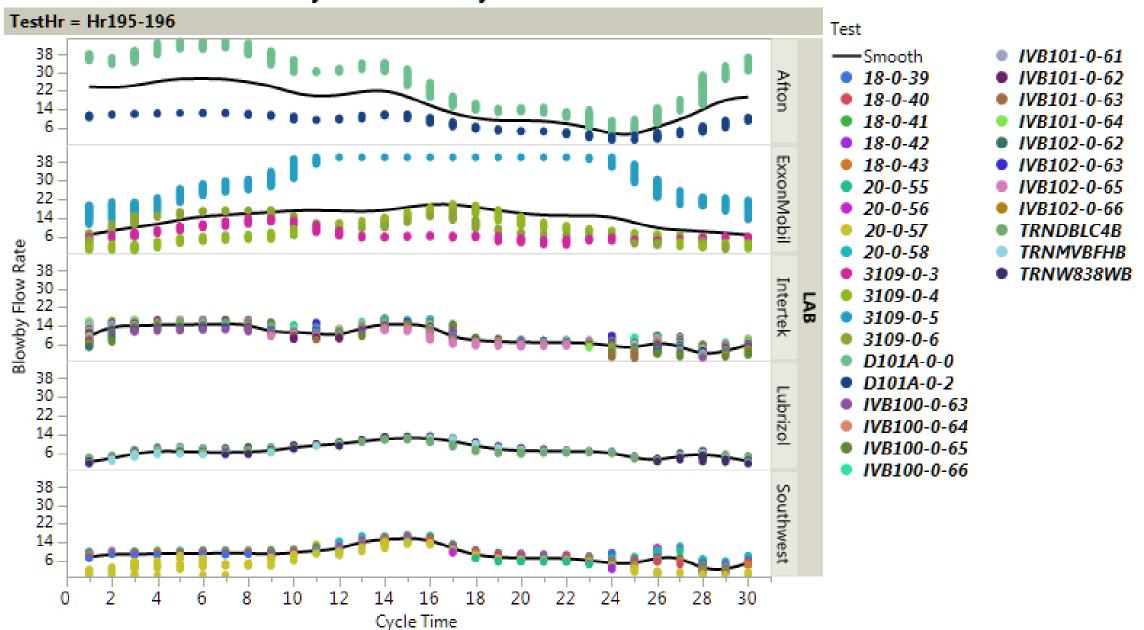
#### Barometric Pressure vs. Cycle Time



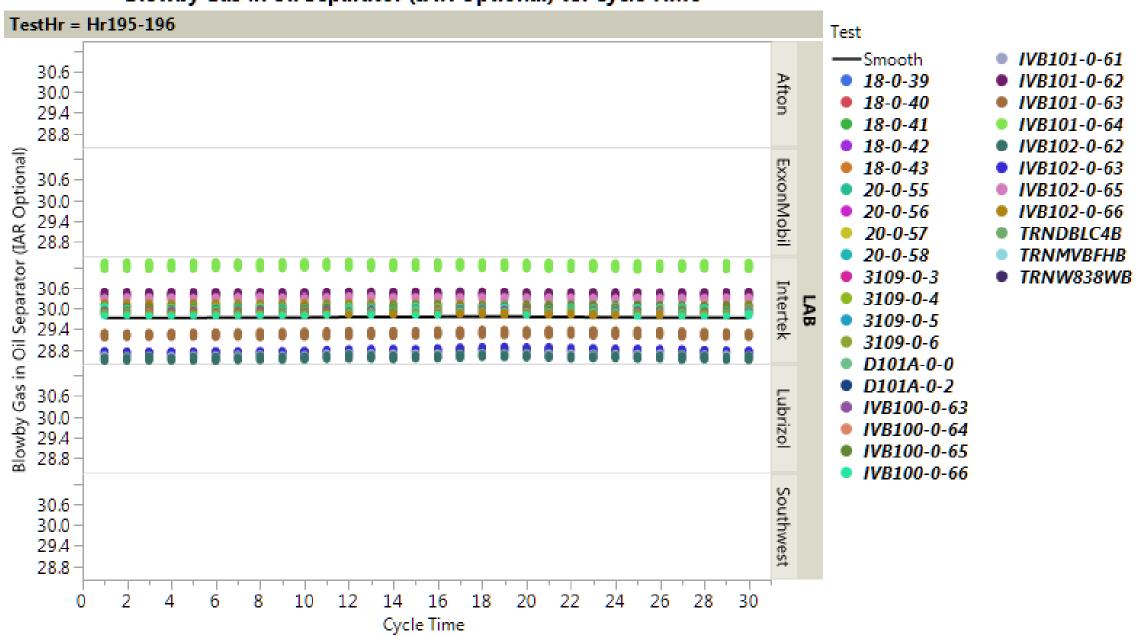
#### Blowby Coolant at Outlet vs. Cycle Time



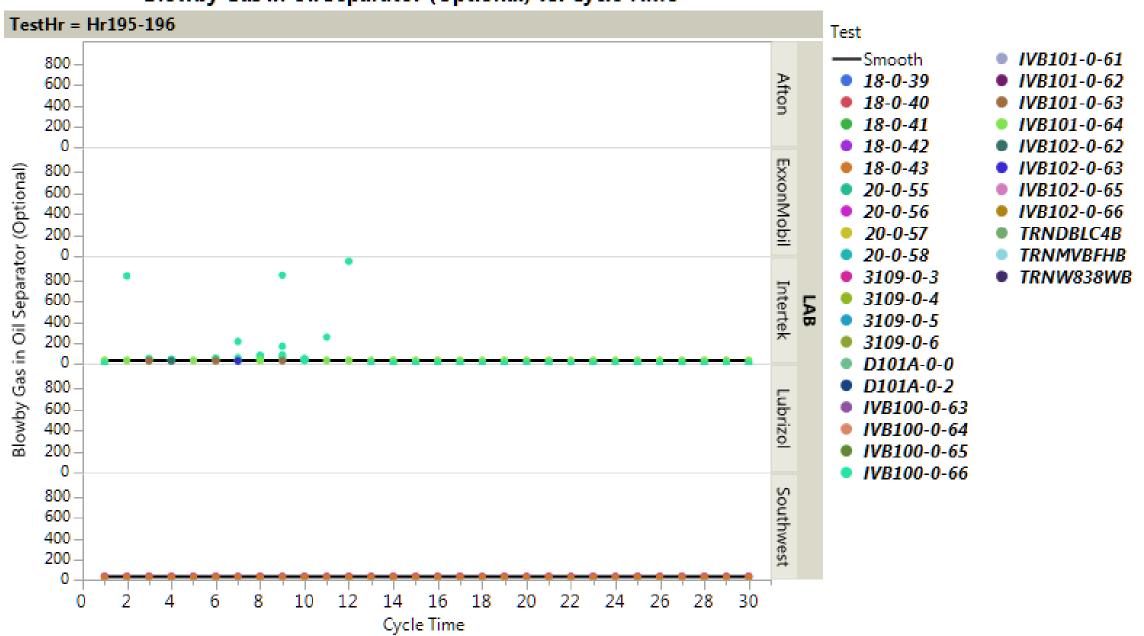
#### Blowby Flow Rate vs. Cycle Time



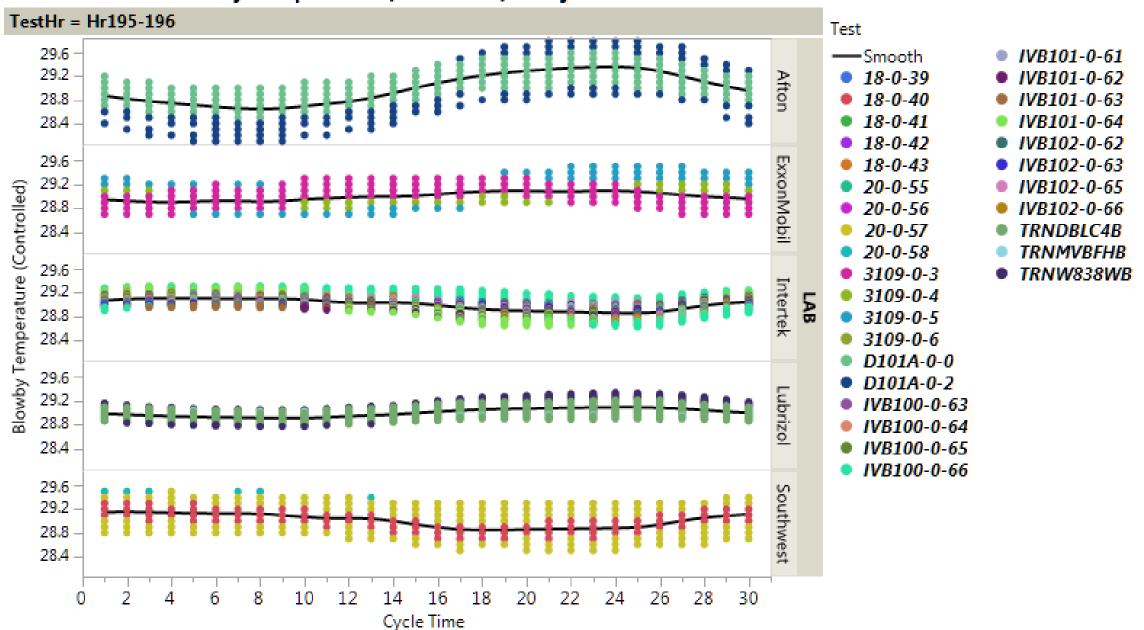
# Blowby Gas in Oil Separator (IAR Optional) vs. Cycle Time



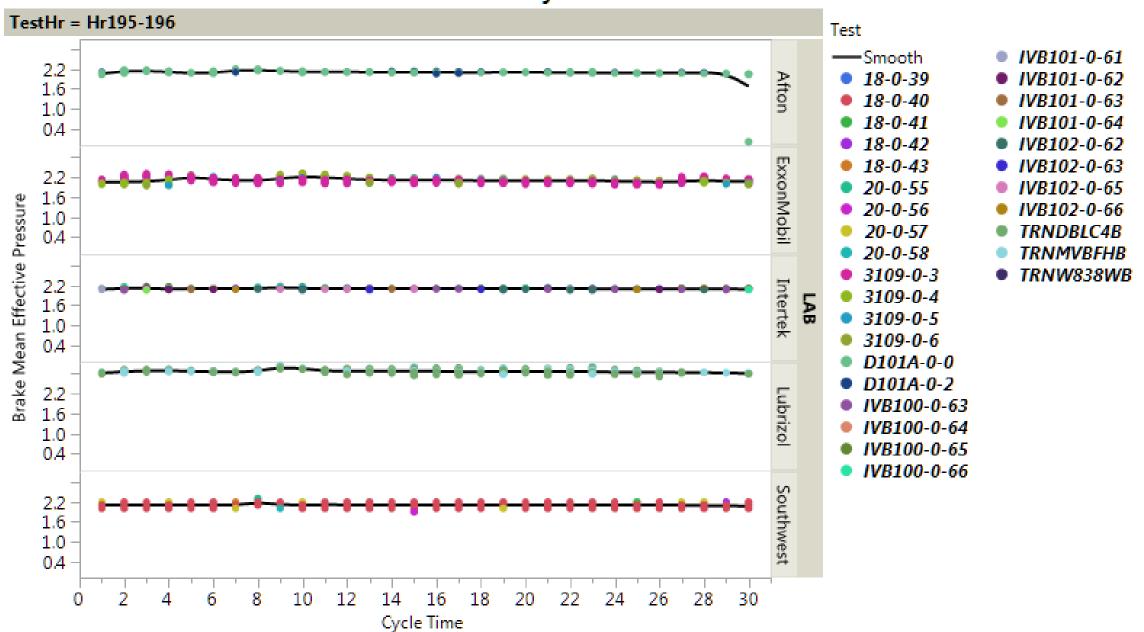
# Blowby Gas in Oil Separator (Optional) vs. Cycle Time



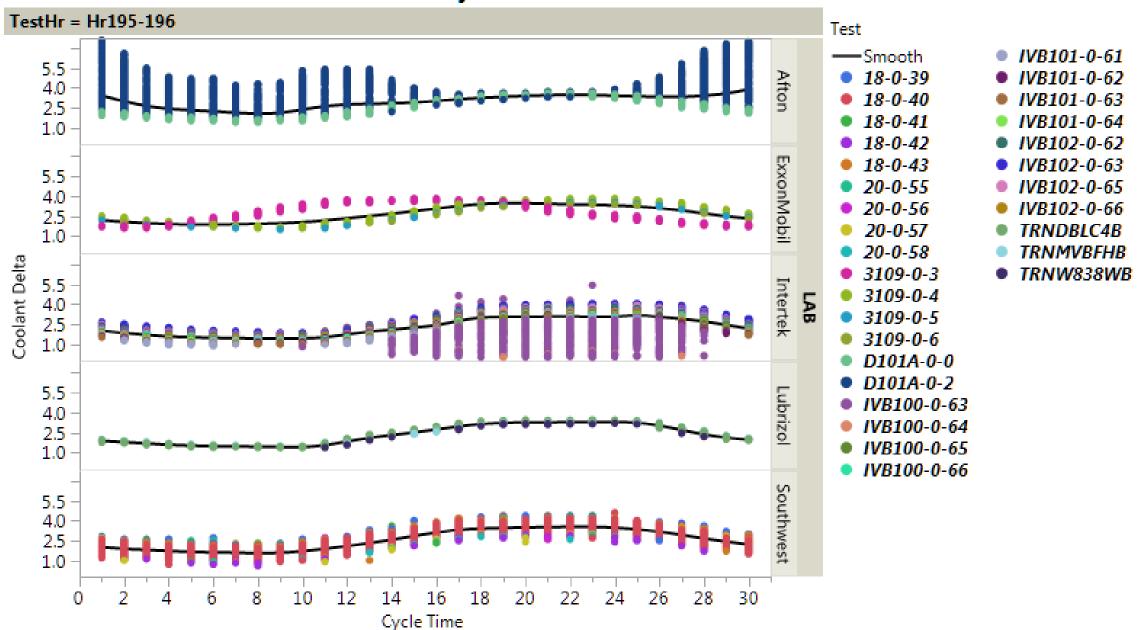
#### Blowby Temperature (Controlled) vs. Cycle Time



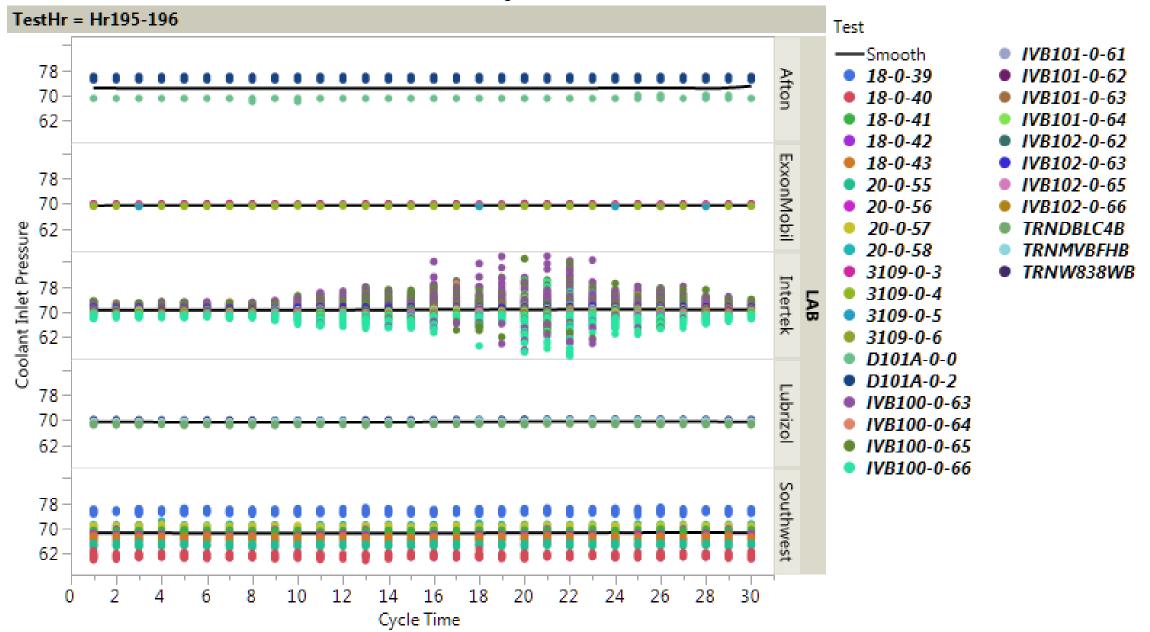
## Brake Mean Effective Pressure vs. Cycle Time



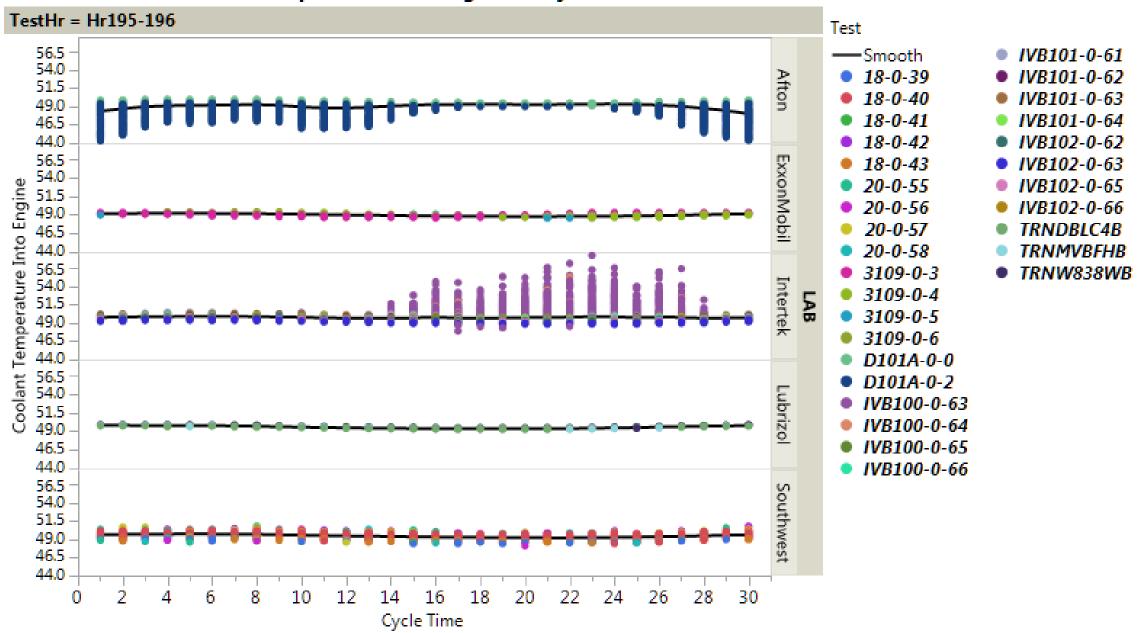
#### Coolant Delta vs. Cycle Time



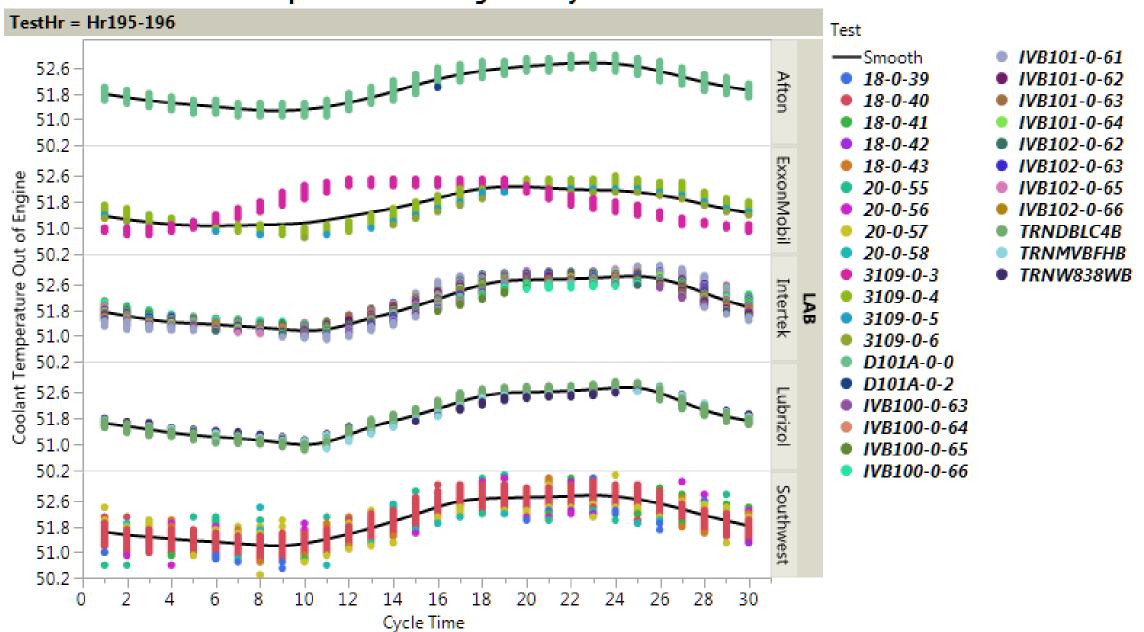
#### Coolant Inlet Pressure vs. Cycle Time



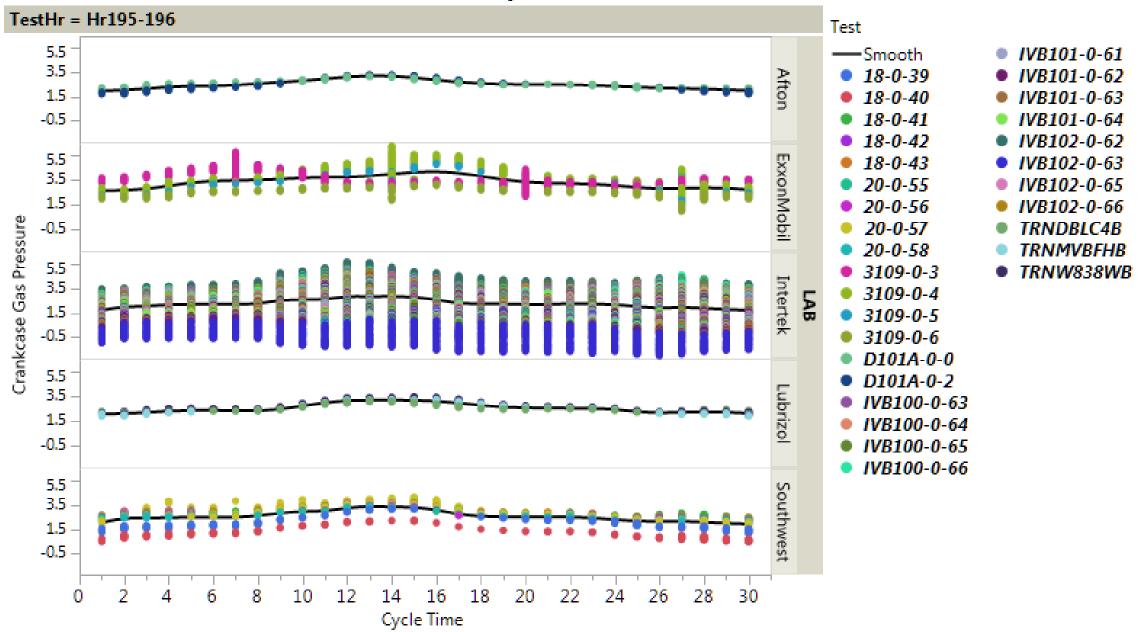
## Coolant Temperature Into Engine vs. Cycle Time



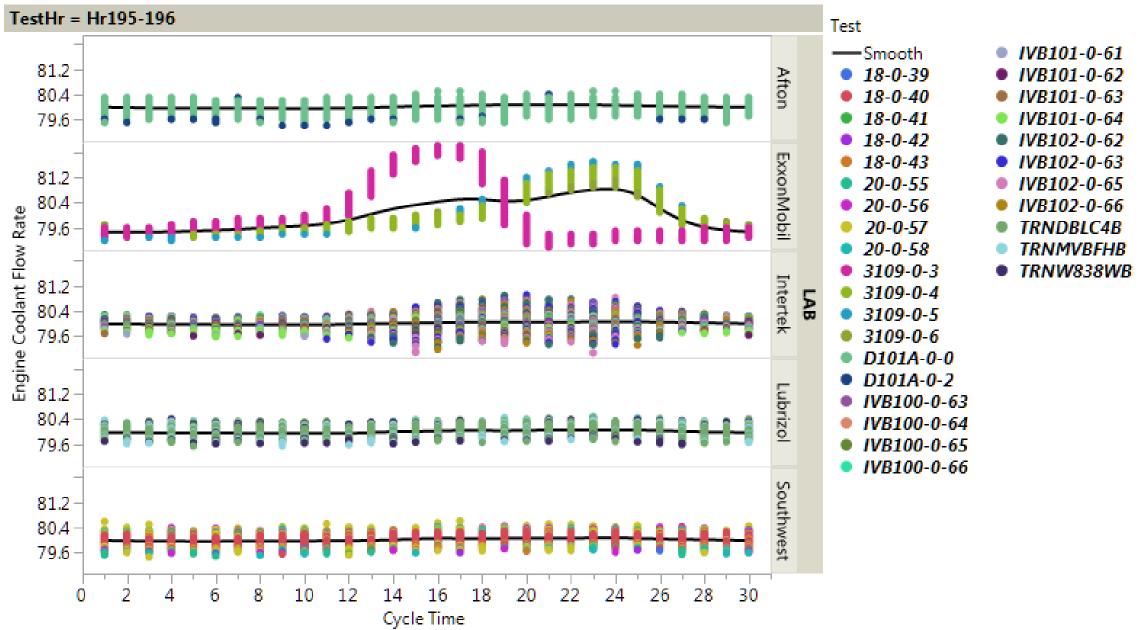
## Coolant Temperature Out of Engine vs. Cycle Time



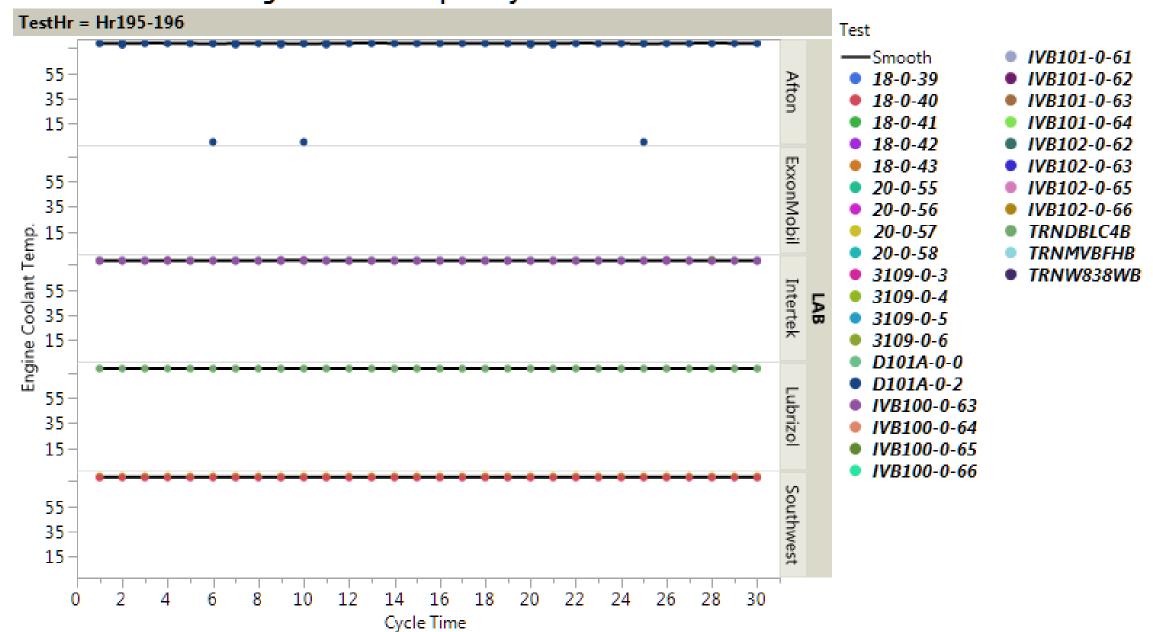
#### Crankcase Gas Pressure vs. Cycle Time



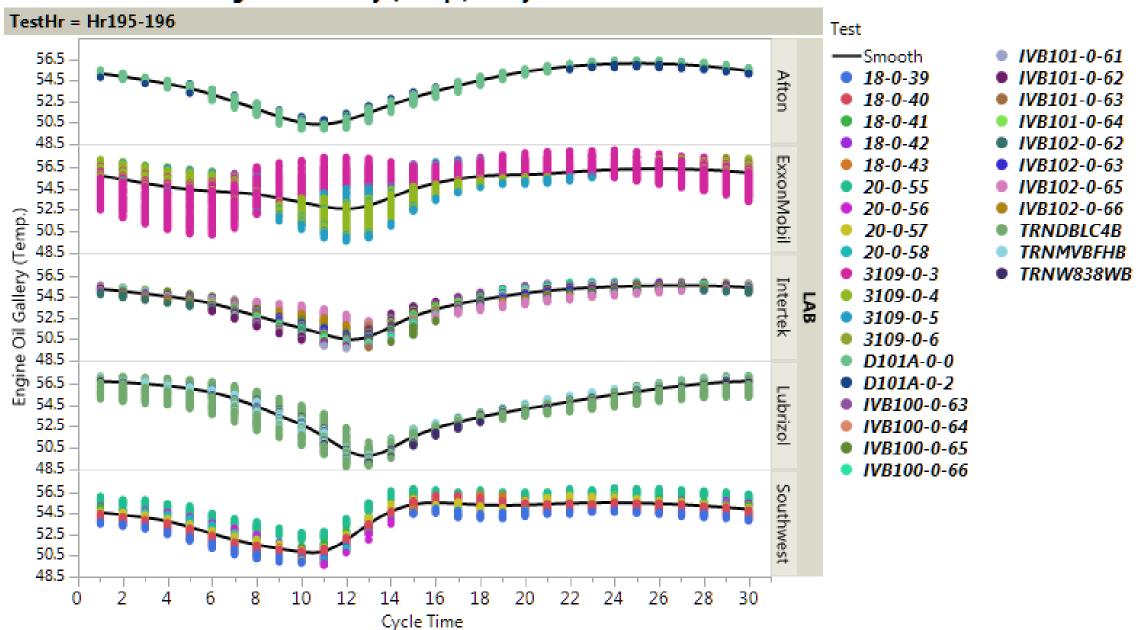
## Engine Coolant Flow Rate vs. Cycle Time



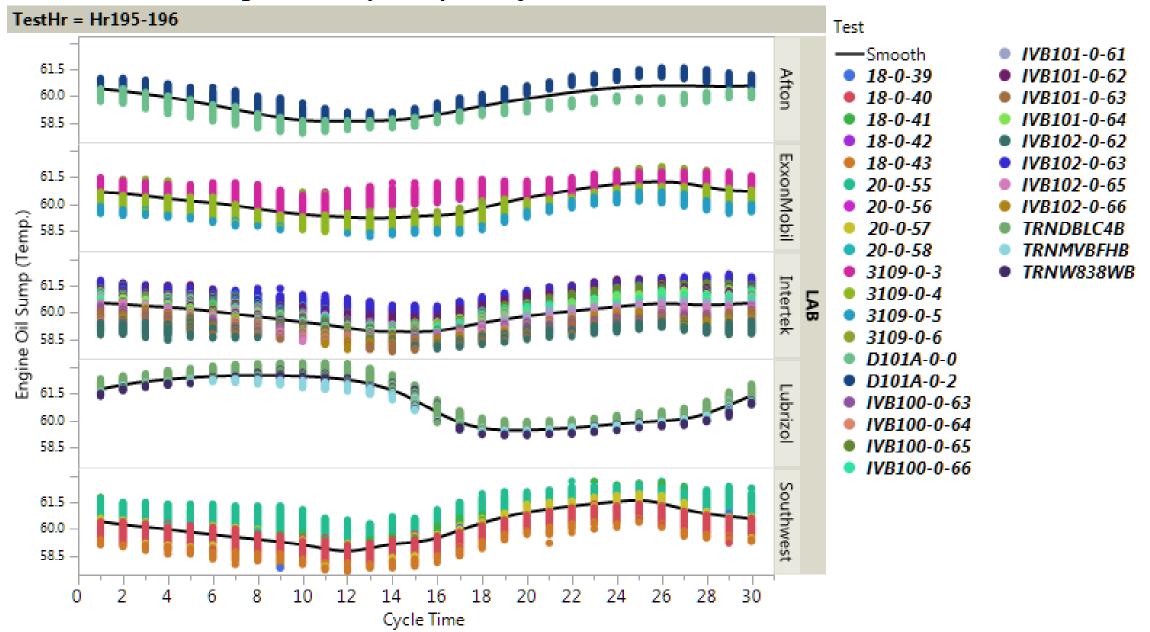
## Engine Coolant Temp. vs. Cycle Time



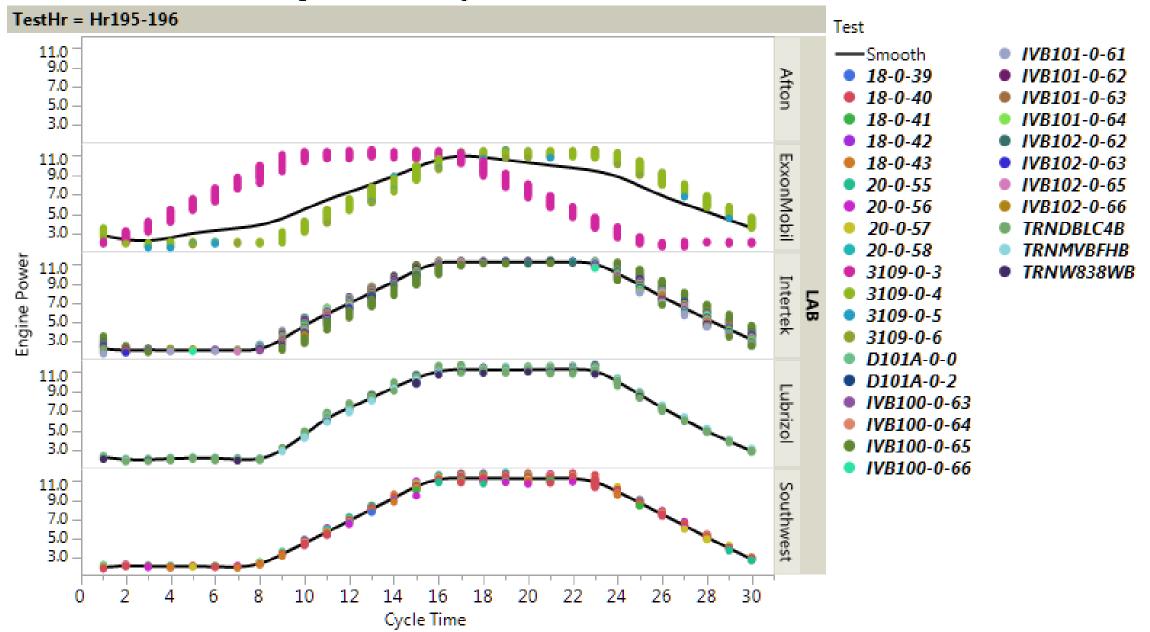
#### Engine Oil Gallery (Temp.) vs. Cycle Time



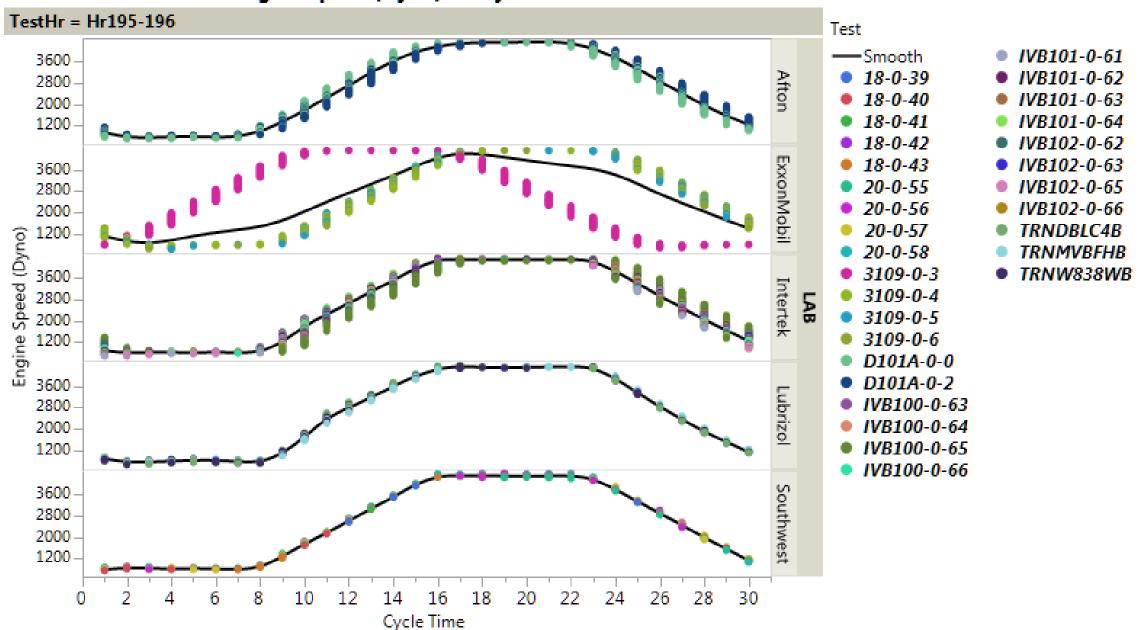
#### Engine Oil Sump (Temp.) vs. Cycle Time



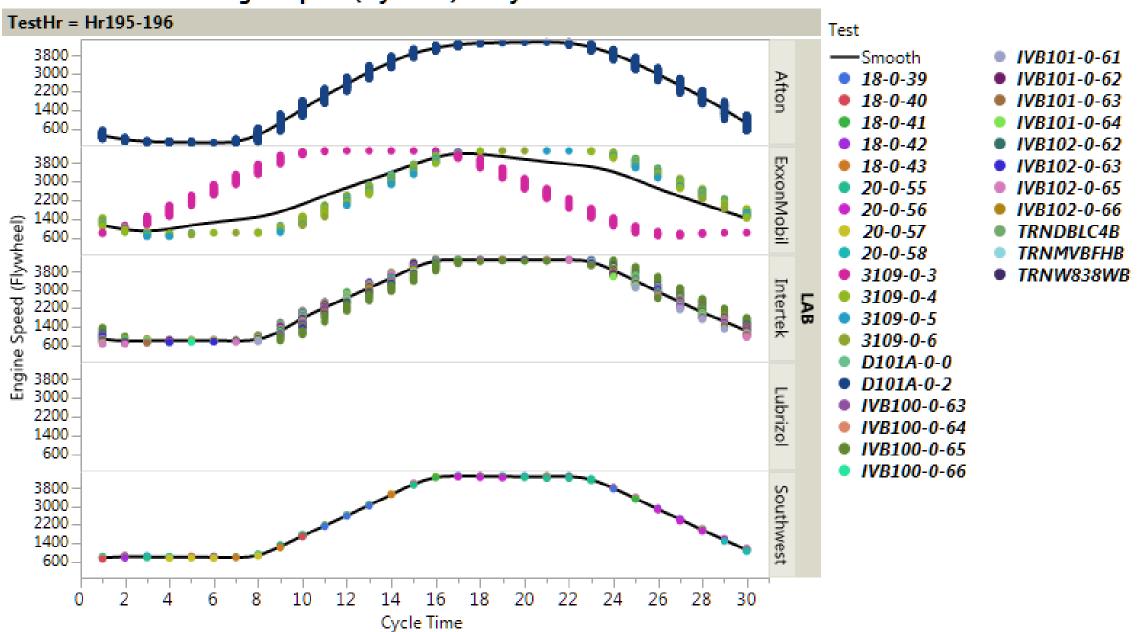
#### **Engine Power vs. Cycle Time**



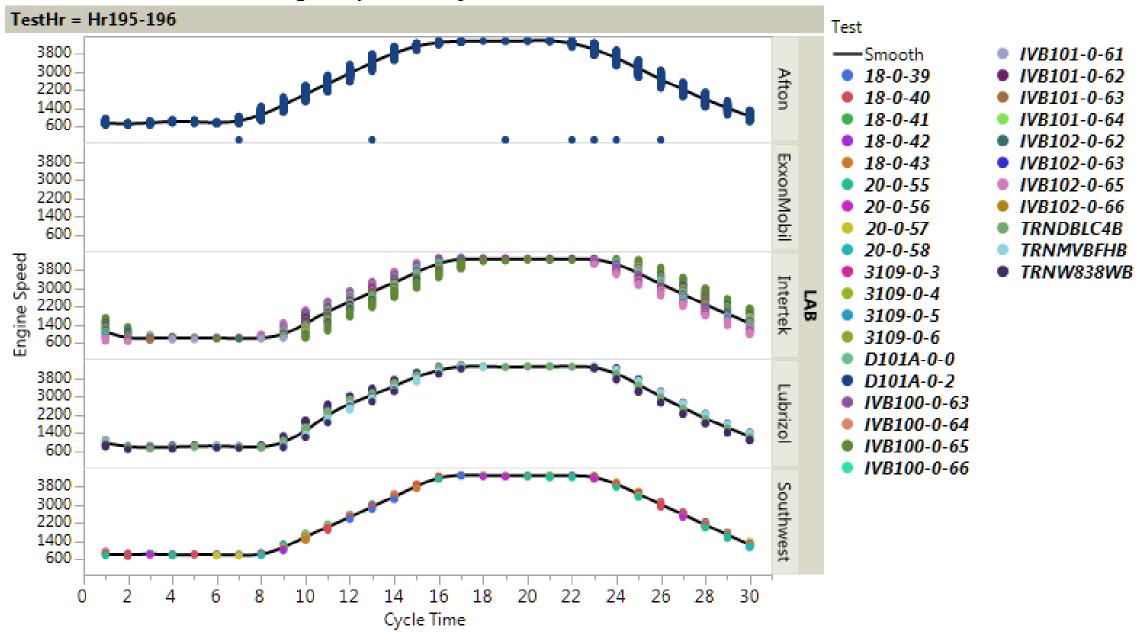
# Engine Speed (Dyno) vs. Cycle Time



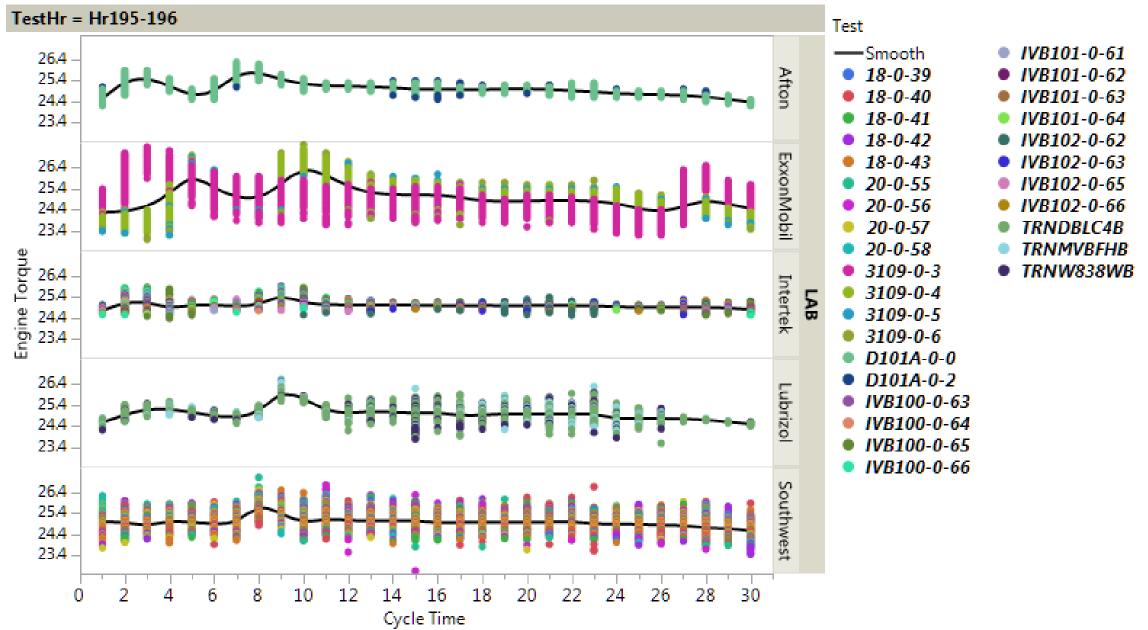
# Engine Speed (Flywheel) vs. Cycle Time



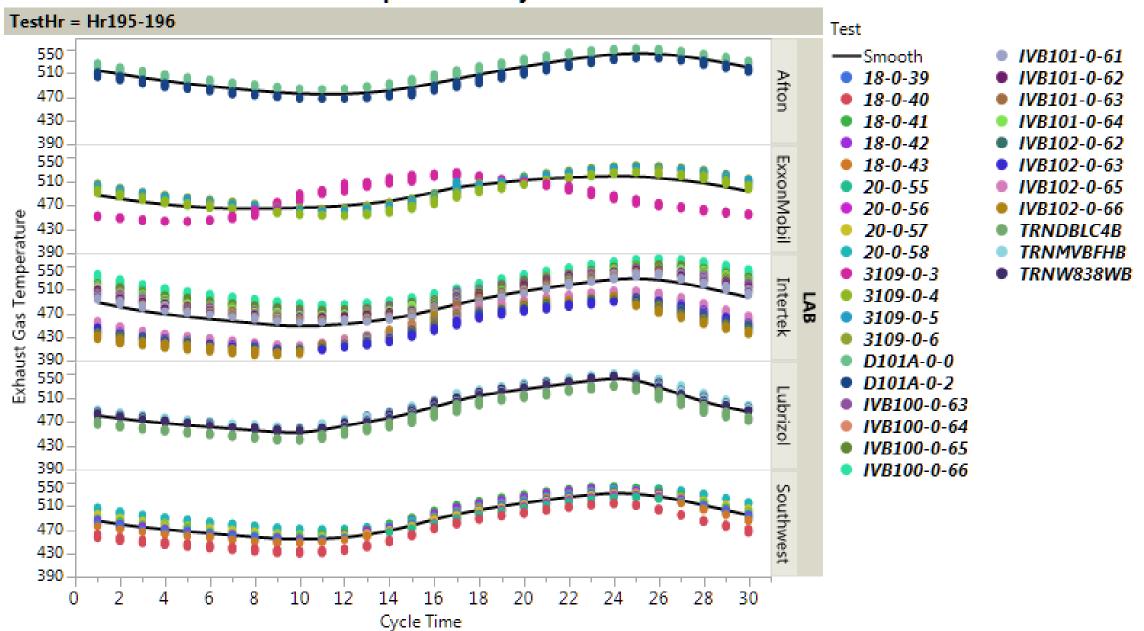
#### Engine Speed vs. Cycle Time



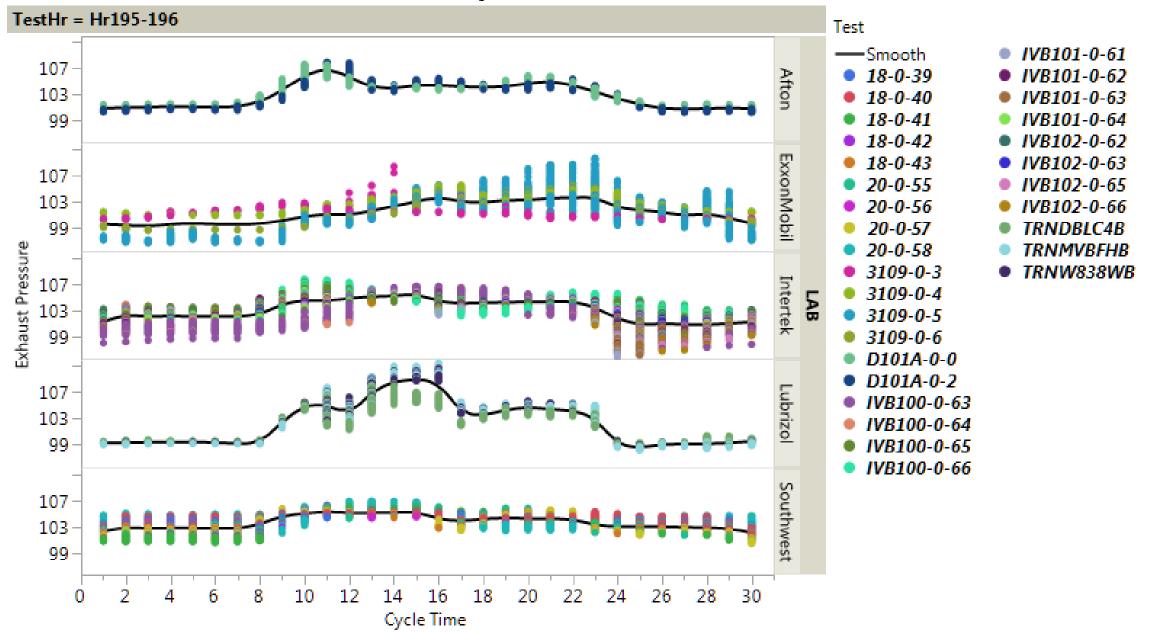
## Engine Torque vs. Cycle Time



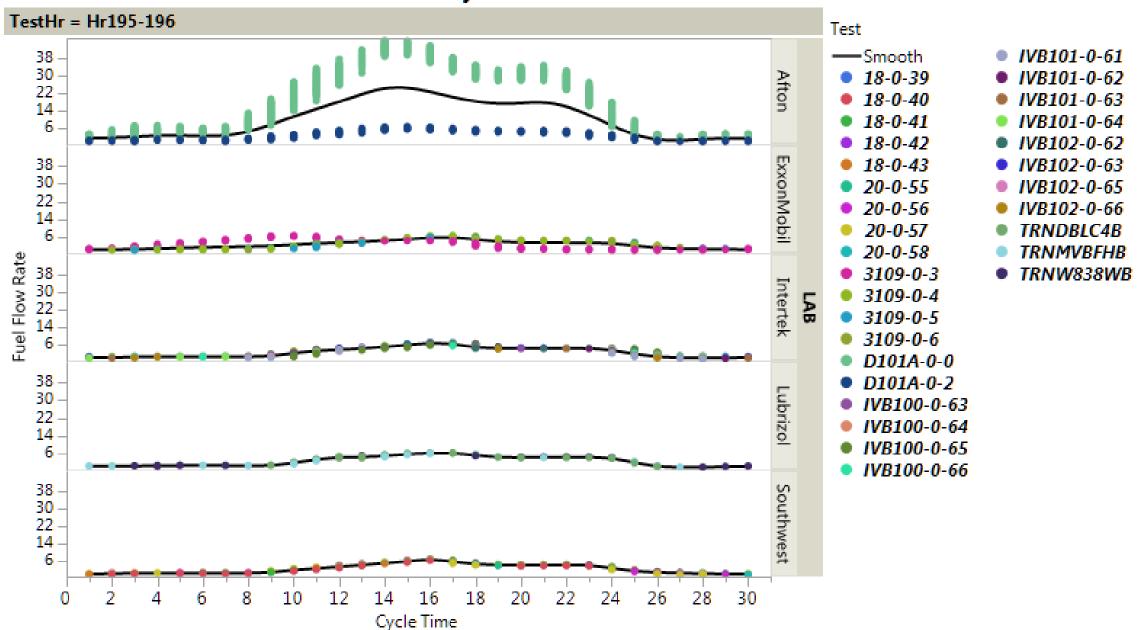
## Exhaust Gas Temperature vs. Cycle Time



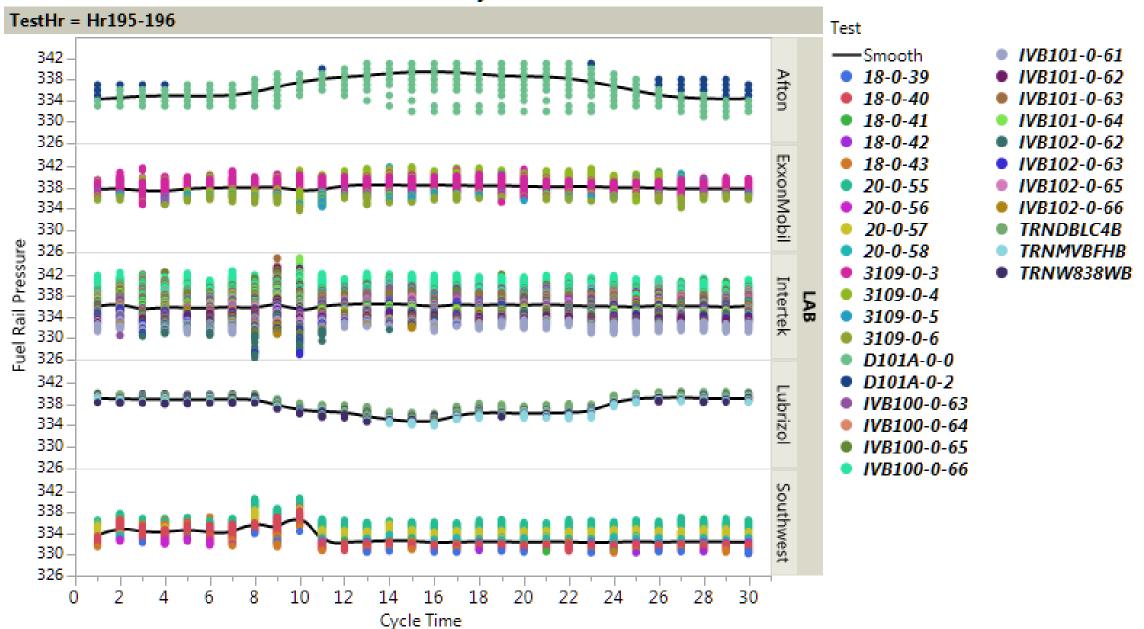
#### **Exhaust Pressure vs. Cycle Time**



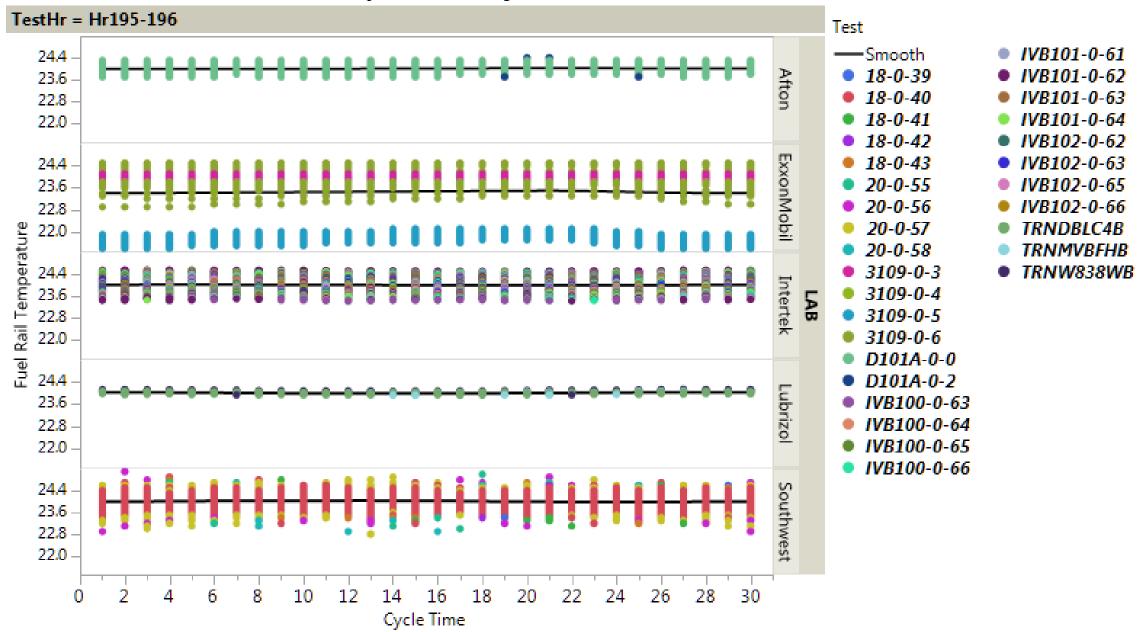
#### Fuel Flow Rate vs. Cycle Time



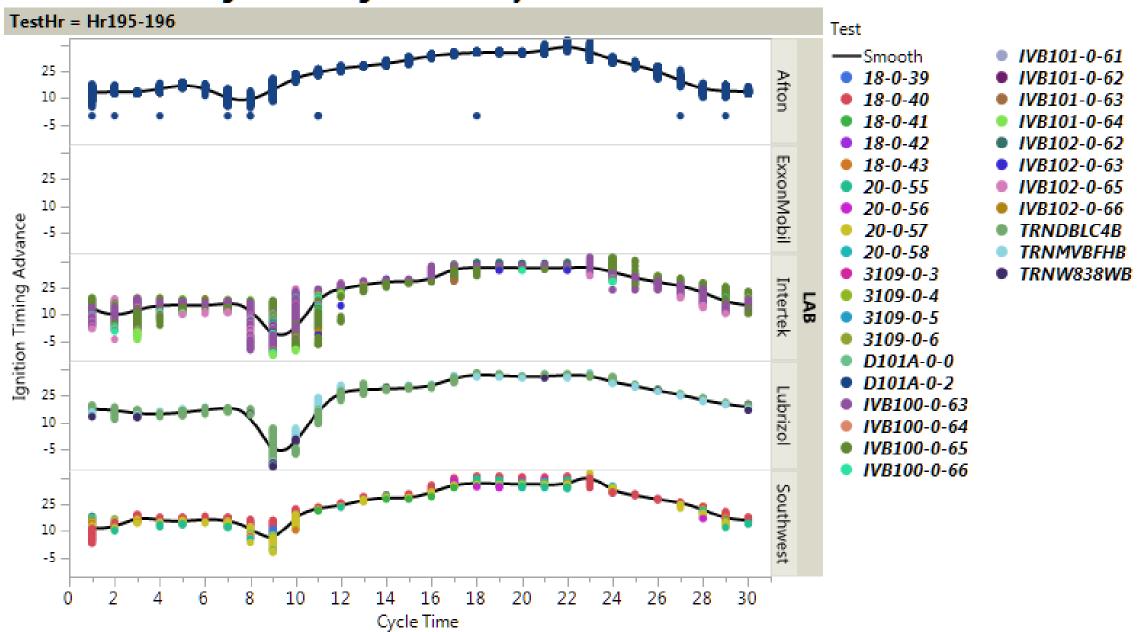
#### Fuel Rail Pressure vs. Cycle Time



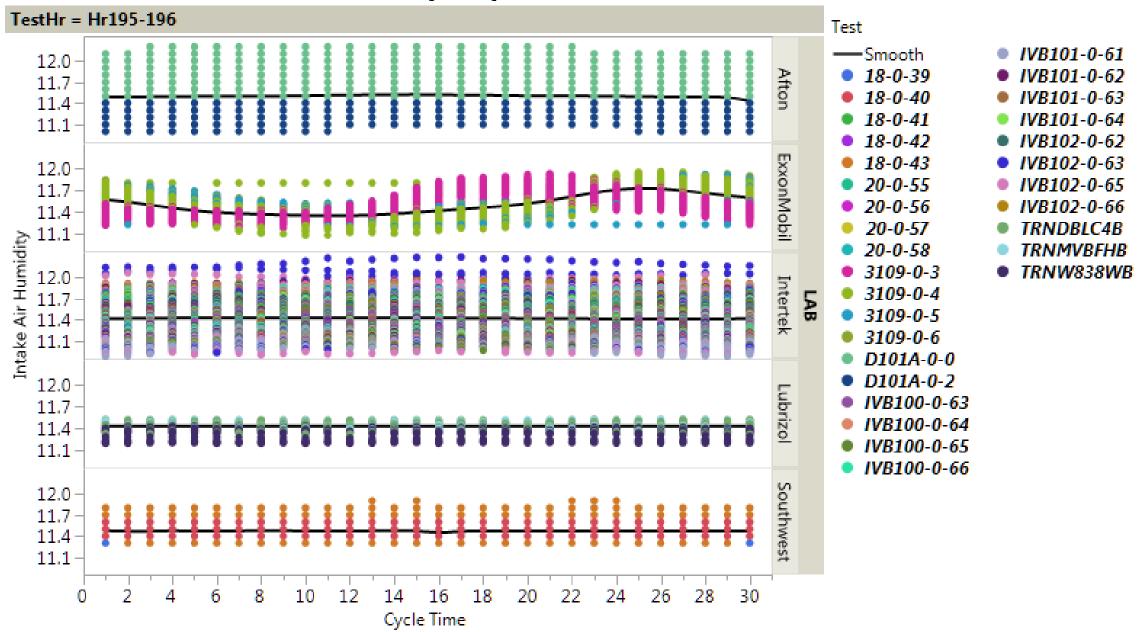
#### Fuel Rail Temperature vs. Cycle Time



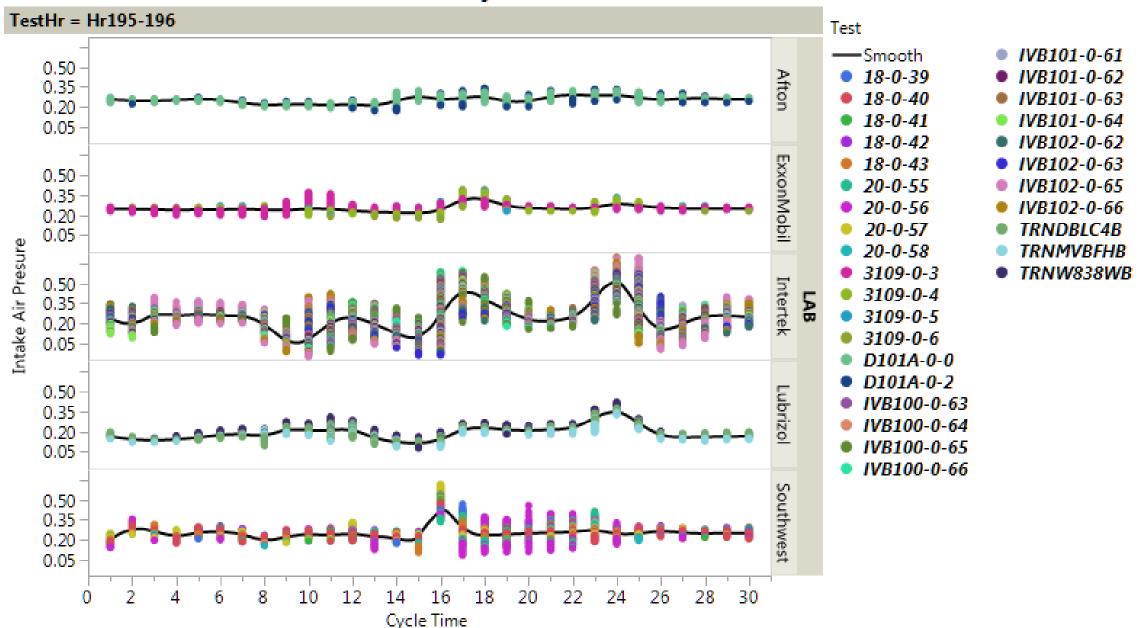
#### Ignition Timing Advance vs. Cycle Time



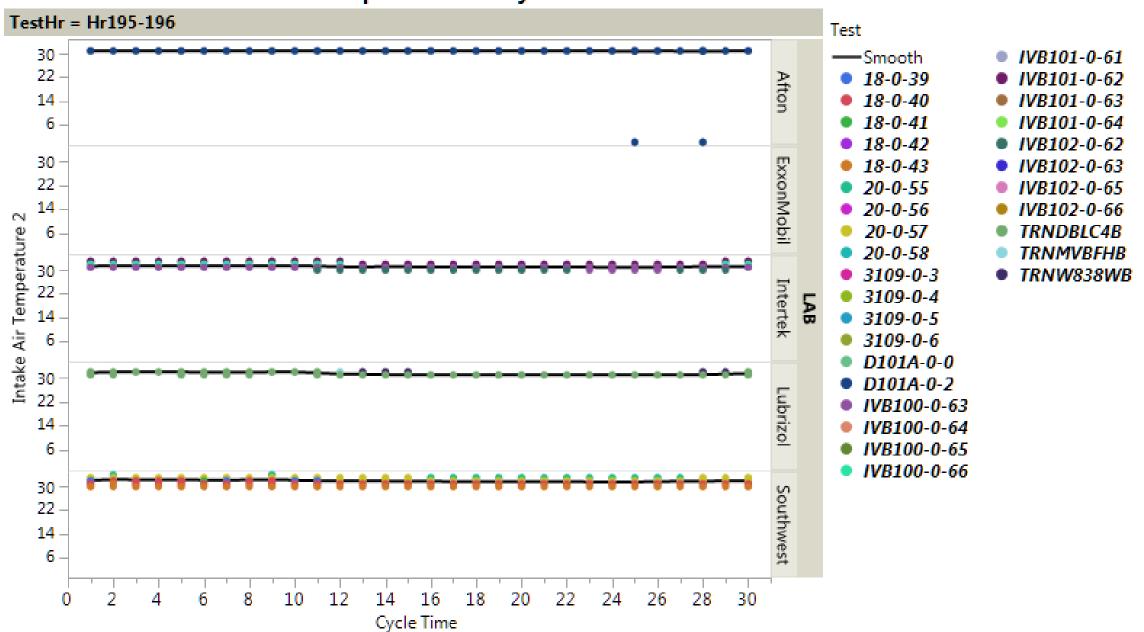
#### Intake Air Humidity vs. Cycle Time



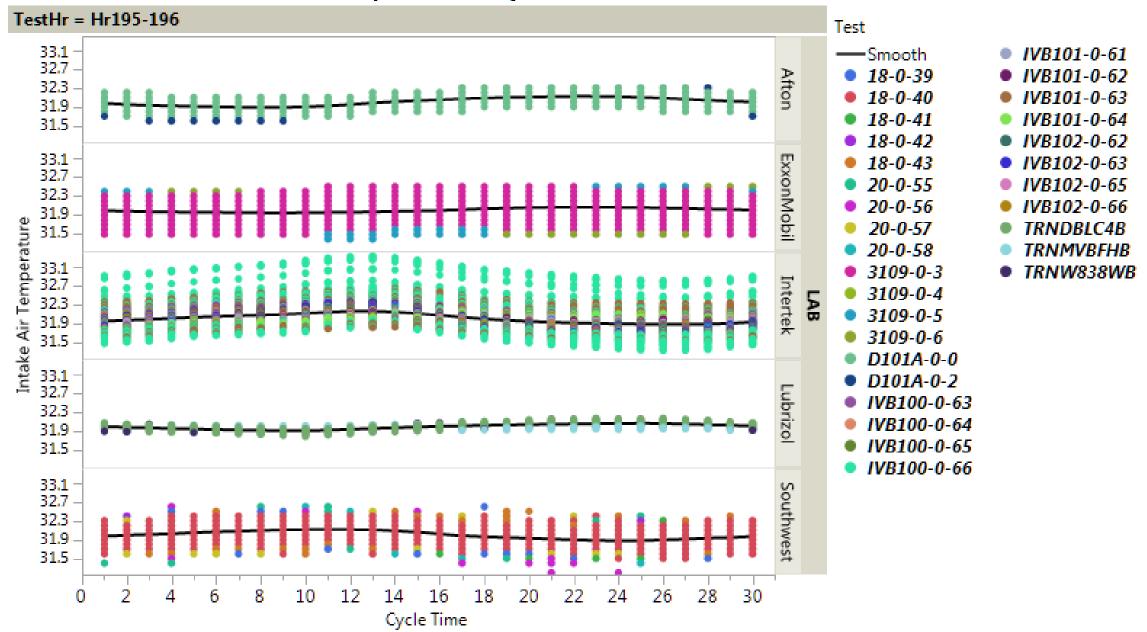
#### Intake Air Presure vs. Cycle Time



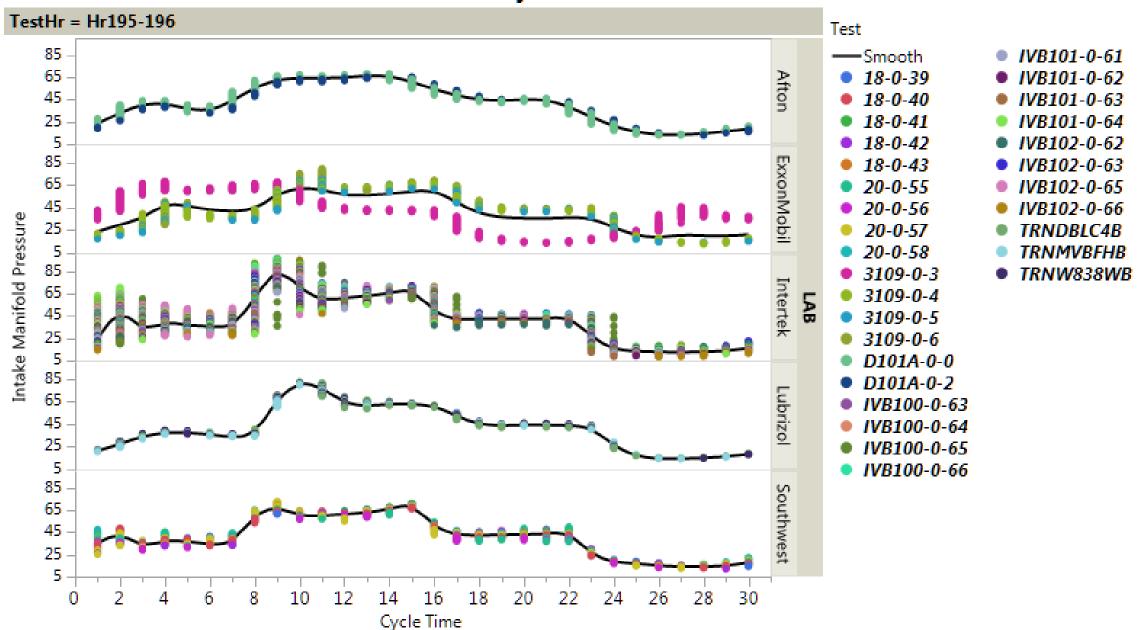
## Intake Air Temperature 2 vs. Cycle Time



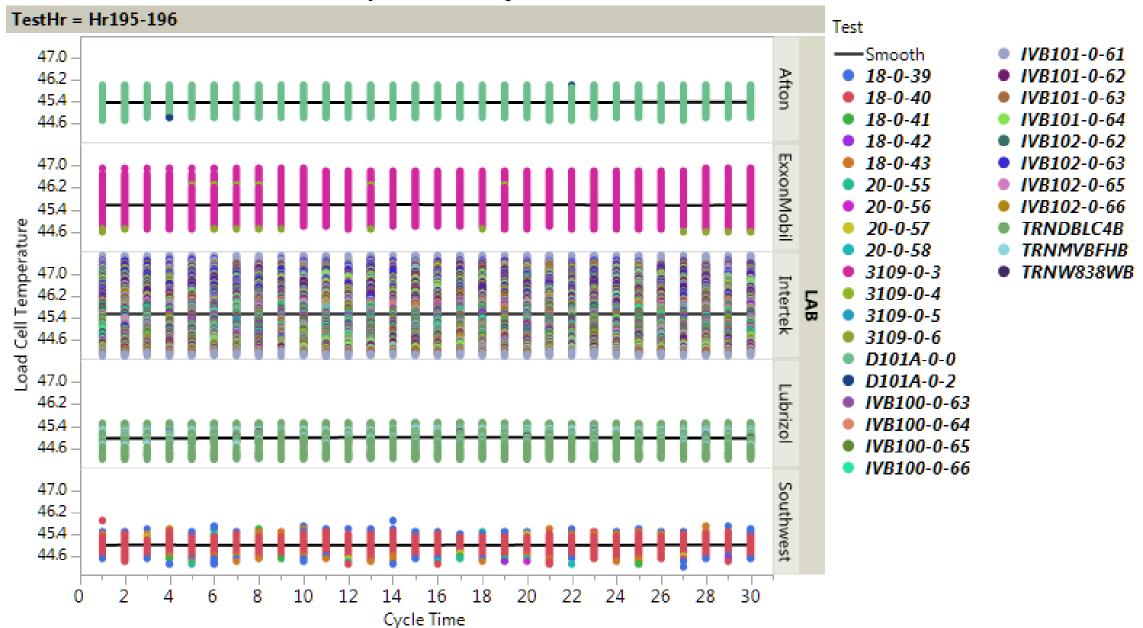
#### Intake Air Temperature vs. Cycle Time



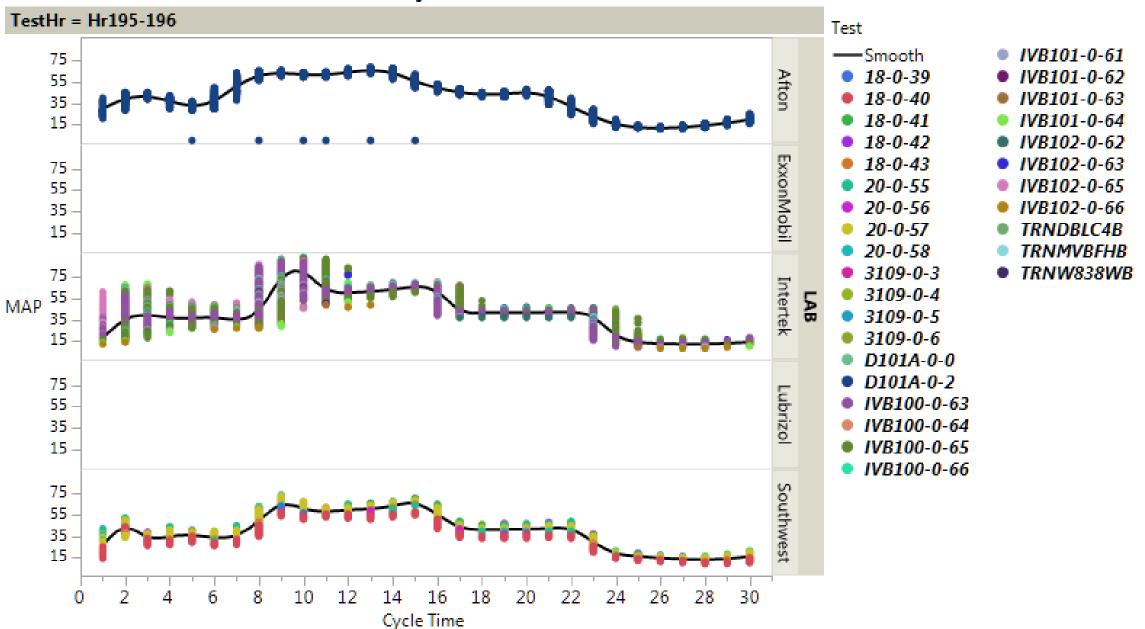
#### Intake Manifold Pressure vs. Cycle Time



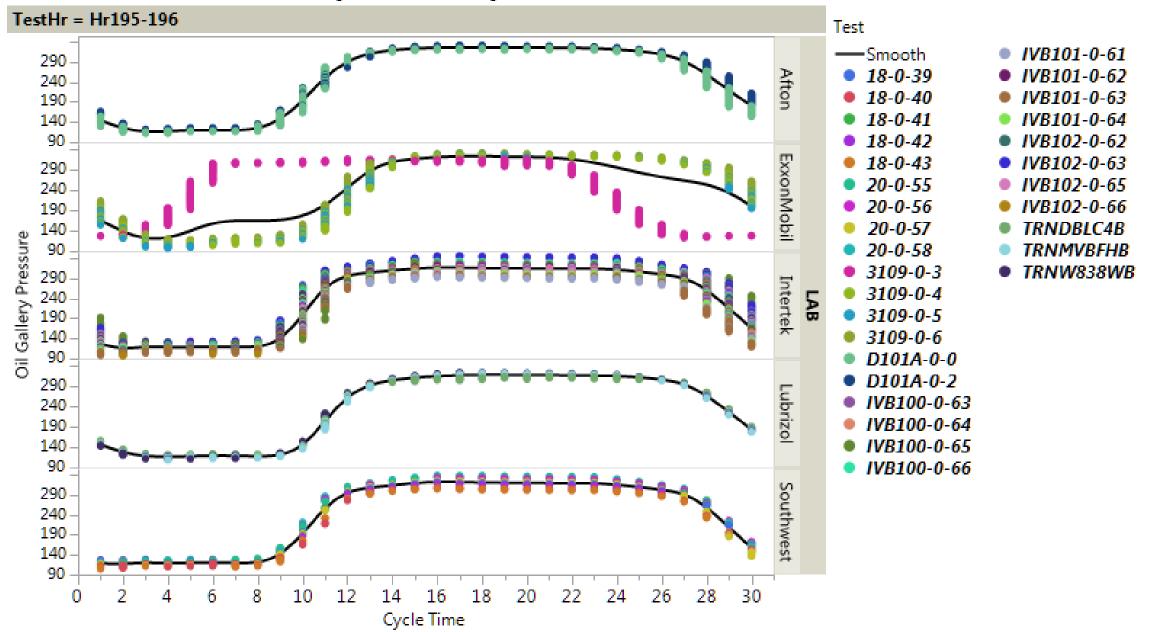
#### Load Cell Temperature vs. Cycle Time



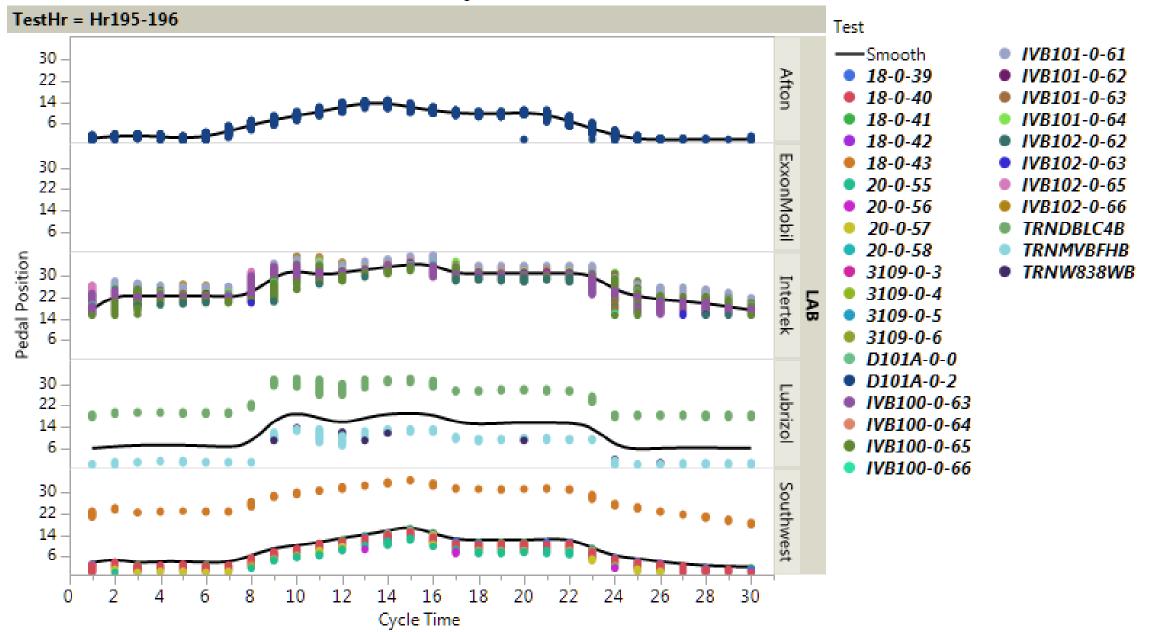
#### MAP vs. Cycle Time



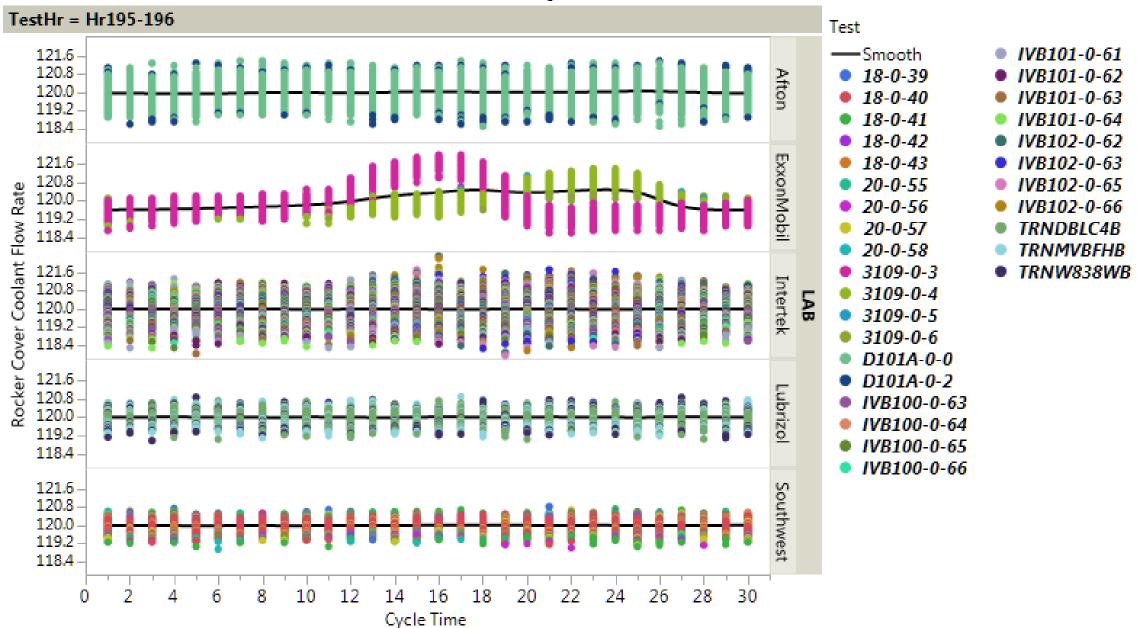
#### Oil Gallery Pressure vs. Cycle Time



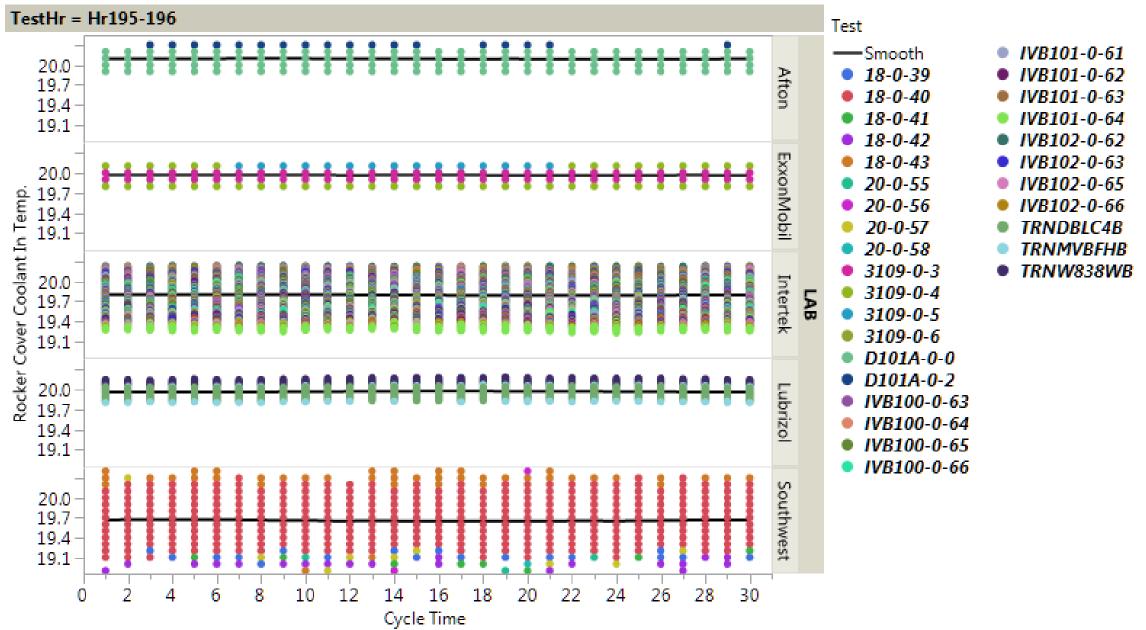
#### Pedal Position vs. Cycle Time



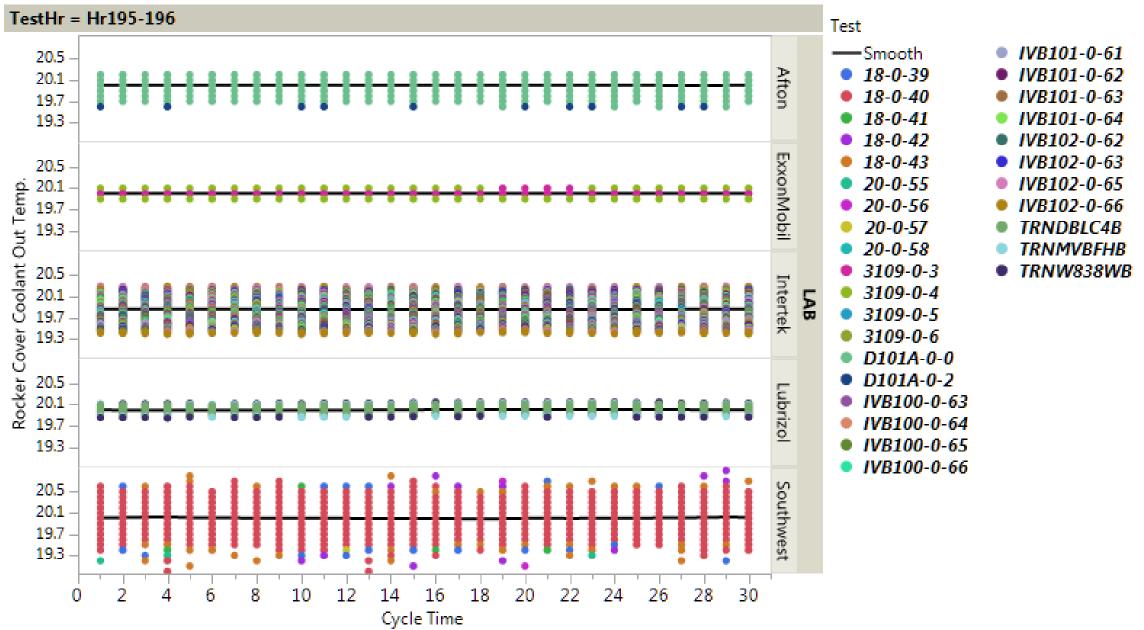
#### Rocker Cover Coolant Flow Rate vs. Cycle Time



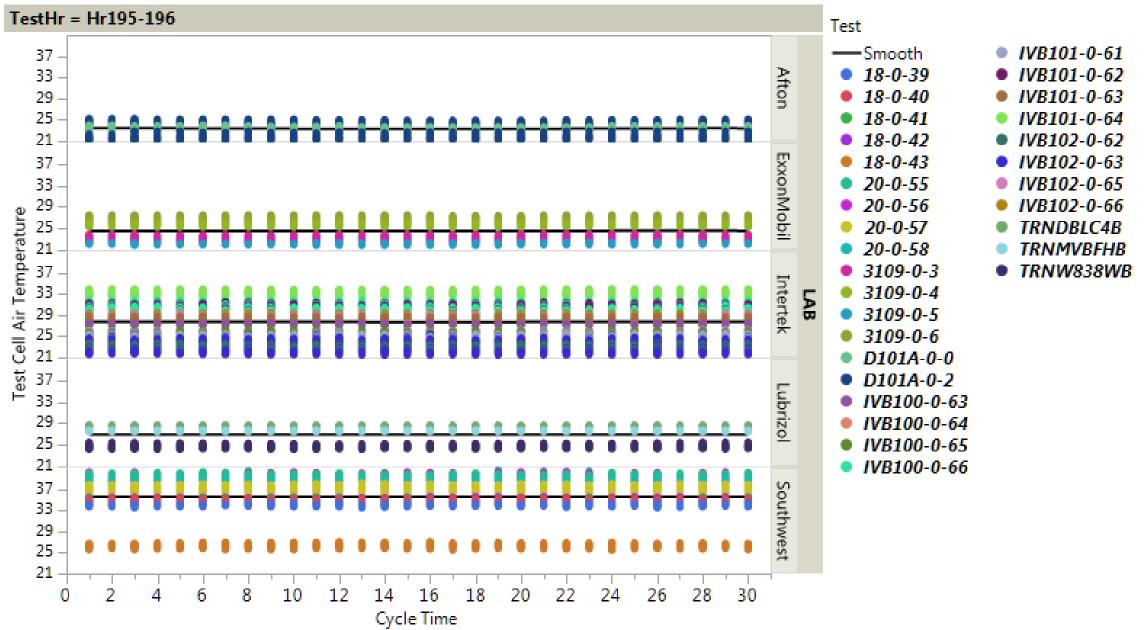
### Rocker Cover Coolant In Temp. vs. Cycle Time



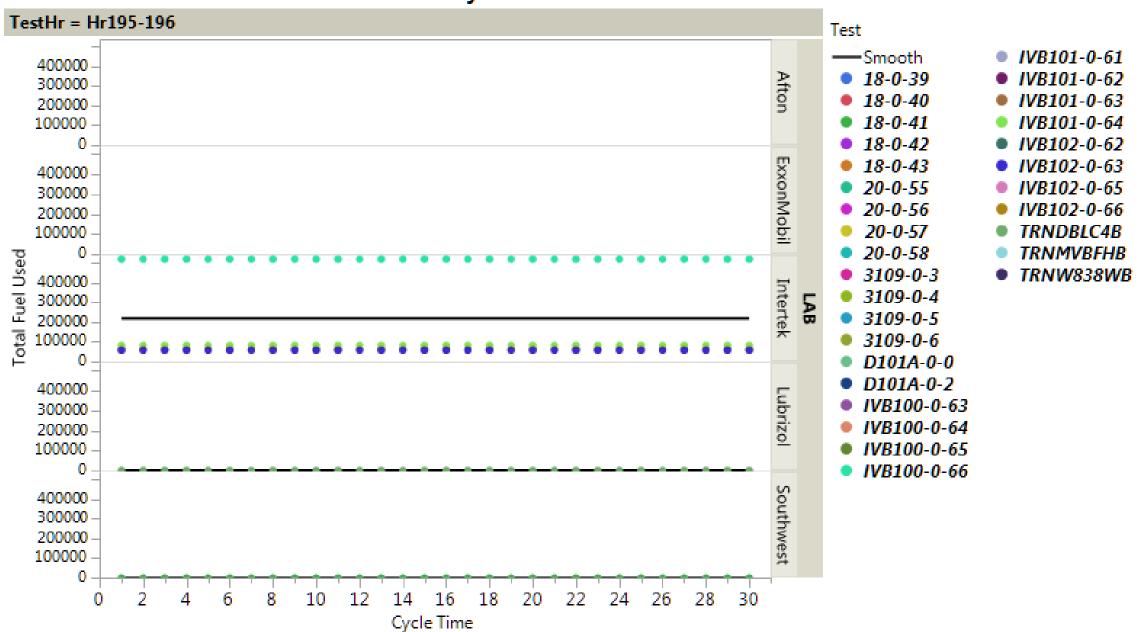
## Rocker Cover Coolant Out Temp. vs. Cycle Time



## Test Cell Air Temperature vs. Cycle Time



#### Total Fuel Used vs. Cycle Time



#### Valve Cover Blowby Gas Out vs. Cycle Time

