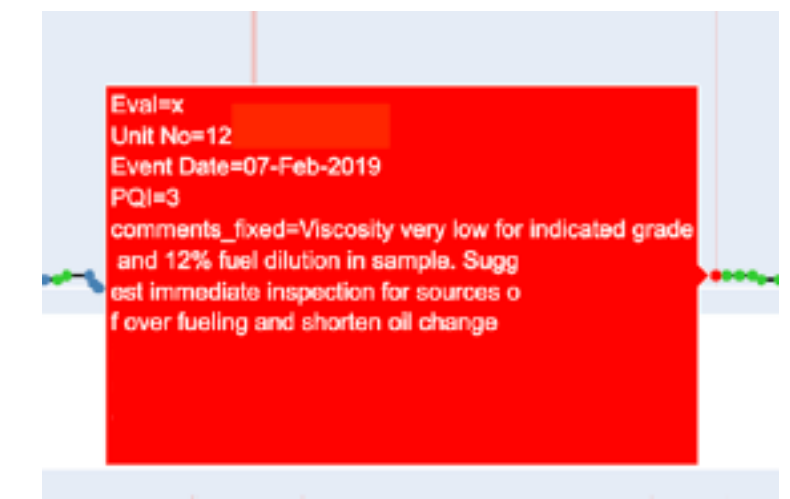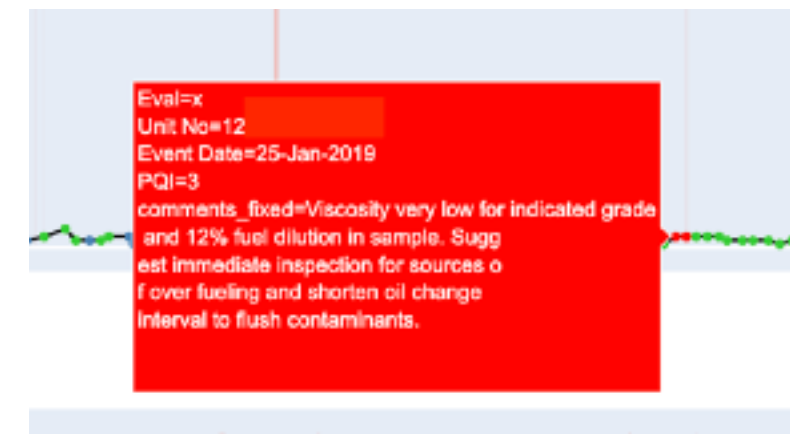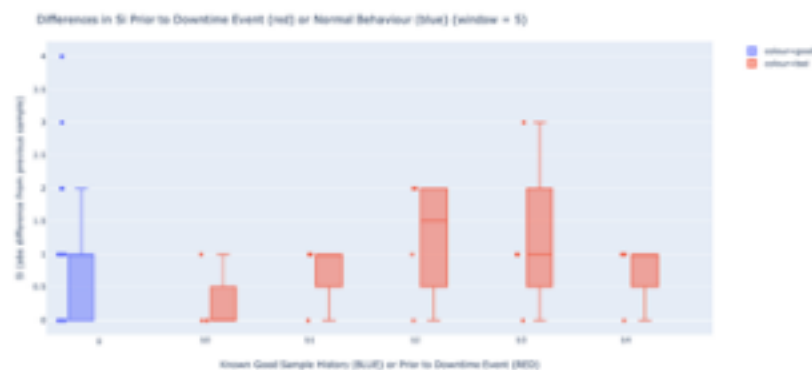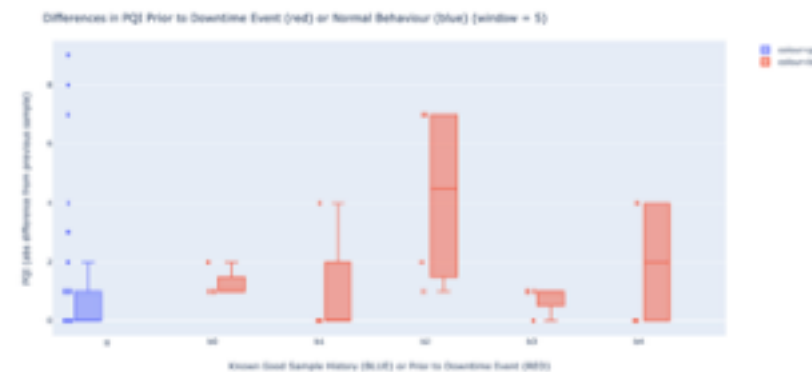# correct!

* link unplanned downtime events on the haul truck engines with fluctuations in the oil wear elements to see if there's any merit to moving towards failure specific models

Trending - Fe

Eval=x
Unit No=12
Event Date=25-Jan-2019
PQI=3
comments_fixed=Viscosity very low for indicated grade and 12% fuel dilution in sample. Suggest immediate inspection for sources of over fueling and shorten oil change interval to flush contaminants.

Eval=x
Unit No=12
Event Date=07-Feb-2019
PQI=3
comments_fixed=Viscosity very low for indicated grade and 12% fuel dilution in sample. Suggest immediate inspection for sources of over fueling and shorten oil change

Differences in PQI Prior to Downtime Event (red) or Normal Behaviour (blue) (window = 5)

Differences in Si Prior to Downtime Event (red) or Normal Behaviour (blue) (window = 5)

cool plots, but …

… this isn't very, um, mathematical?