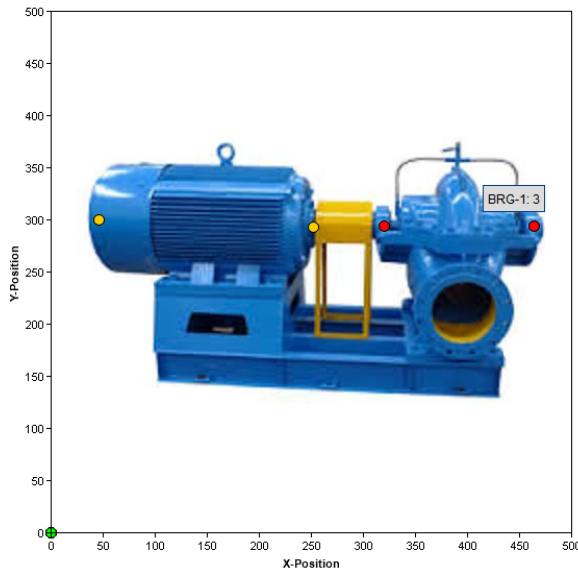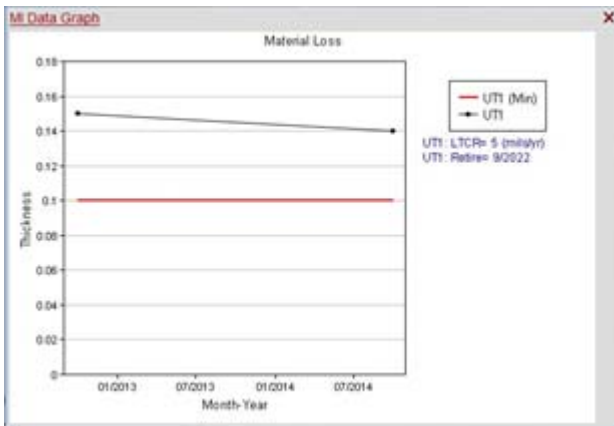# Mechanical Integrity Manager
Pumps (API/ASME)

MI Manager displays pump condition with vibration trends and thickness readings. For either data type, the user can import a picture background or diagram. The data points can be created directly on the background image with a click of a mouse. Pump components include casing, bearings, nozzles and motor.
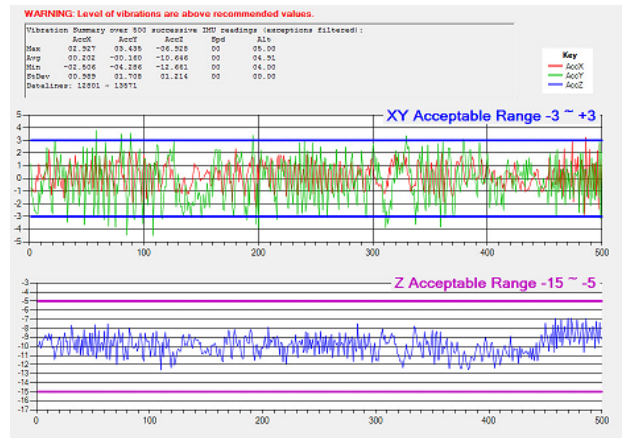
Pump casing and nozzle condition is tracked by thickness readings. Thickness and MAWP are shown indicating areas of material loss. Color codes are user configurable for indicating high to low areas of material loss.

Pump bearing condition is tracked by vibration. This includes displacement, velocity and acceleration. Color codes are user configurable to show bearings with high measurements.

The data points are active and when clicked can present bearing vibration charts or material loss curves.

Separate trend curves can be generated for casing and nozzles. Typical nozzle material loss curve shown.

Vibration reading data is recommended to be obtained with Fluke Meters. Model 810 shown.