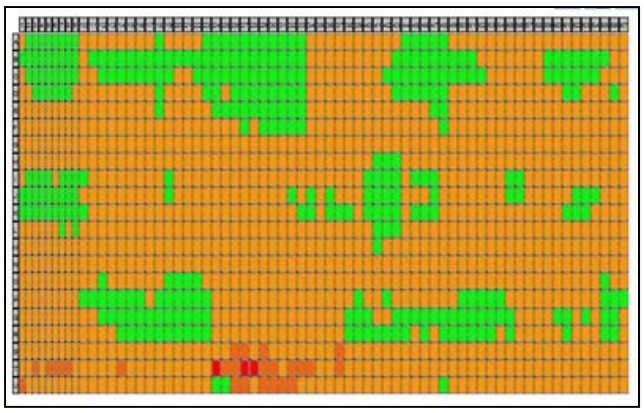
MI MANAGER

Mechanical Integrity Manager

Atmospheric Storage Tanks (API 650/653)

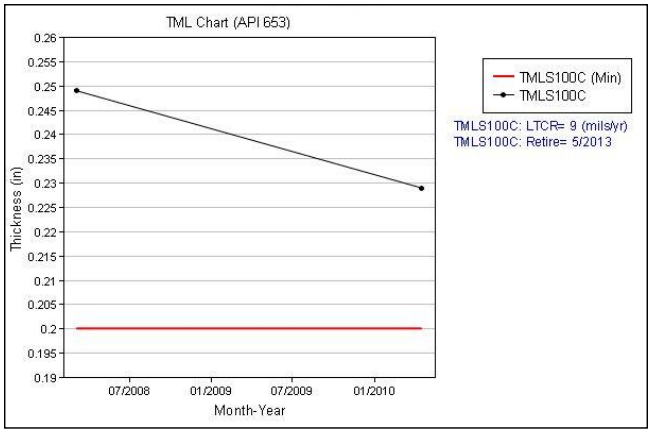
MI Manager displays API 650 storage tanks either as a photo background, generated background or diagram. Thickness points can be an auto-generated grid or discrete points created directly on the background image with a click of a mouse. Tank components include shell, floor, roof and nozzles.

Shell component data points are averaged over an expanded grid. Thickness and MAWP are shown indicating areas of material loss. Color codes are user configurable for indicating high to low areas of material loss.



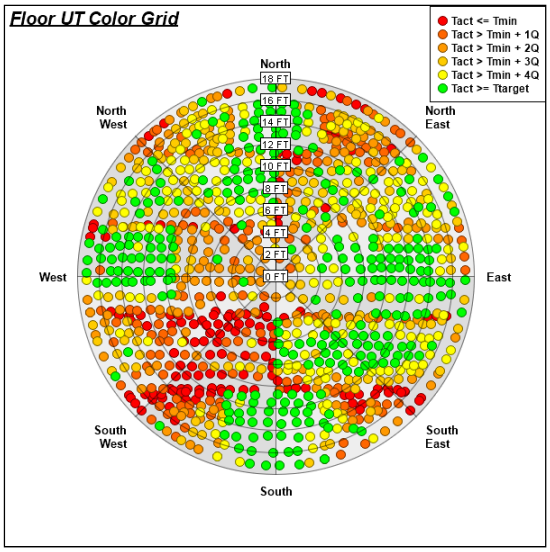
Tank floor and roof data points are shown as color coded points. Points that color red indicate areas of concern.

Separate trend curves can be generated for shell, nozzles, tube sheet and channels. Typical shell material loss curve shown.



MI Manager provides MAWP and end of life calculation based on input parameters of component diameter, yield stress, metal temperature and measured thickness. MAWP comparison with operating pressure assists in determining continued operating risk.

Saving the data points as a template copies the information for a future inspection.



Thickness data is recommended to be obtained with Olympus UT Meters. Model 38DL shown.

Thickness data can be directly imported into MI Manager using Olympus interface driver.

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