

Feature Assessment

Tools to evaluate inspection features for an understanding of current and future conditions

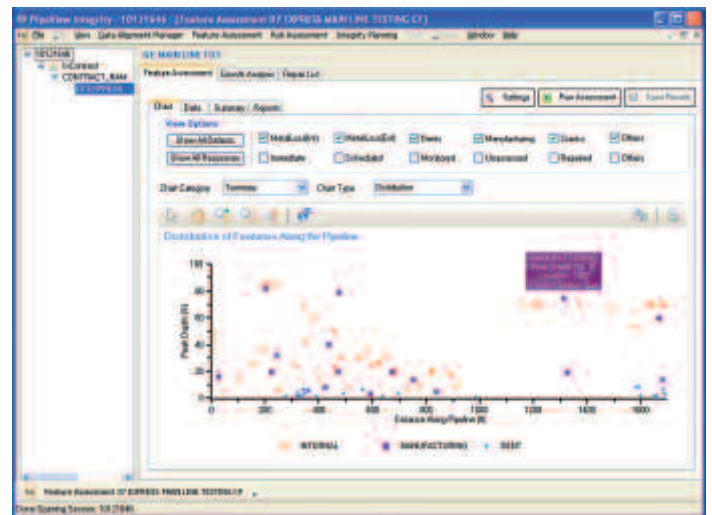
The addition of Feature Assessment to the PipeView™ Integrity suite allows pipeline operators to rapidly assess the criticality of features identified during in-line inspection or direct assessment as a basis for developing response schedules and mitigation strategies.

Software module overview

Feature Assessment provides tools to efficiently perform best practice engineering assessment on pipeline features for fitness for purpose analysis or pipeline integrity evaluation. With a user-friendly interface that provides a range of charting and reporting tools, action lists for immediate and scheduled responses are easily generated. Feature Assessment also allows you to minimize future inspection costs by determining future integrity and setting intervals for re-inspections activities.

Why choose Feature Assessment?

- Identify features that pose immediate integrity threats and generate specific dig sheets for validation and repair
- Lower cost and optimize inspection intervals by performing future integrity analysis
- Support business cases for re-inspection
- Perform corrosion growth assessment using general corrosion growth rate models or more accurately with corrosion growth RUNCOM™ results
- Highlight features of interest and view and report them in other integrated PipeView™ Integrity modules
- Built-in and adjustable criteria allow you to establish the impact of different standards as part of the decision-making and justification process
- Use industry-standard methodologies to determine failure conditions and response criteria
- Display features of interest on maps to understand geographic location and assist in planning field activity



Analyzing inspection features in Feature Assessment

- Configure Band View to display inspection data and analysis results along with other data as bands along the pipeline in the most effective way for your visualization needs
- Part of PipeView™ Integrity, an integrated suite of integrity related software solutions including:
 - Data Alignment Manager
 - Feature Assessment
 - Risk Assessment
 - Integrity Planning
 - Direct Assessment



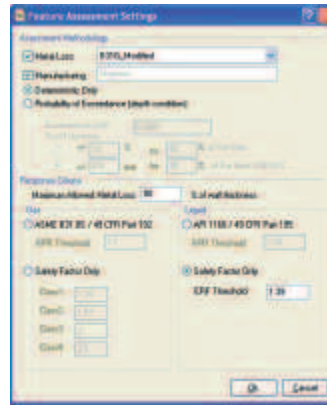
Feature Assessment

Key Features

- Evaluate multi-year in-line inspection results for an entire pipeline segment
- Create immediate and scheduled response lists from selected features
- Sentence corrosion data to standard failure criteria to quickly identify features warranting investigation and repair
- Use industry standard methods to analyze features:
 - Metal Loss - ASME B31.G, modified ASME B31.G, DNV
 - Manufacturing Defects - Shannon equation
- Use industry standard methods to determine response criteria:
 - ASME B31.8S and 49 CFR Part 192
 - API 1160 and 49 CFR Part 195
- Use Probability of Exceedance to determine current and future conditions
- Specify growth rates from half-life analysis, full-life analysis, coupon rate, probe rate or user-defined rates including variable growth rates along the pipeline
- Integrate RUNCOM™ results for a more realistic assessment of active corrosion growth
- Use Smart Select to make selected features available in other applications or charting and reporting functions
- Display selected features on maps with imagery for quick understanding of location
- Display inspection data and analysis results with other data as bands of pipeline data in Band View and configure multiple bands and band layouts to suit your visualization needs
- Color code displayed defects for specific criteria such as inside or outside of high consequence areas
- Adjust View Filters to control visibility of feature types and response types in charts and tables
- Apply configurable styles to tables to control columns, their order, how they are sorted and to apply color based on user-specified criteria
- Symbol library allows clear display of feature type and repaired status
- Generate dig sheets for features warranting further investigation or repair

Contact

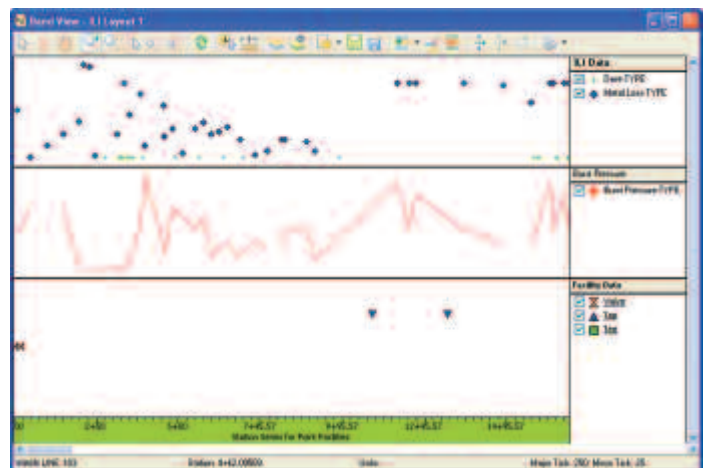
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Modifying settings in Feature Assessment

WHEELCOUNT	TYPE	ASSESSMENT METHOD	PMA, BP	P/EP	DEPTH PERCENT	RFE (INCH)
5224	Metal Loss	B31G Modified	280.86	0.7	30	52000
773	Metal Loss	B31G Modified	322.41	1.34	3	42000
1882	Manufact Defect	Shannon	824	206	11	52000
1787	Metal Loss	B31G Modified	289.98	0.7	30	52000
887	Scum				26	52000
889	Metal Loss	B31G Modified	489.89	1.72	30	52000
1257	Manufact Defect	Shannon	718	1.38	30	52000
849	Metal Loss	B31G Modified	799.87	1.92	30	52000
125	Scum				1	52000
785	Scum				1.2	52000
7856	Scum				1.6	52000
1490	Metal Loss	B31G Modified	477.89	1.18	67.5	45000
1466	Manufact Defect	Shannon	862	2.12	43	42000
824	Metal Loss	B31G Modified	796.87	1.98	17	42000
881	Metal Loss	B31G Modified	325.44	1.04	25	42000
883	Manufact Defect	Shannon	811	1.92	3	42000
876	Metal Loss	B31G Modified	338.4	1.24	30	42000

Viewing growth analysis results in Feature Assessment



Assessing results along with other data in Band View



imagination at work