

API TURNAROUND INSPECTIONS

One Source for Asset Protection Solutions

MISTRAS API Turnaround Visual Inspection

MISTRAS Group (NYSE:MG), a leading, global company that serves as its customers' OneSource for asset protection solutions, deploys field-proven, technology driven resources to meet on-site challenges and project-specific requirements. These solutions help satisfy the specified guidelines and regulations set forth by the American Petroleum Institute (API). MISTRAS' API Turnaround team ensures our Oil & Gas and process industry customers follow strict regulations, geared to deliver the safe, efficient, and long-term operation of their plant's crucial assets.

API 510 Inspections for In-Service Pressure Vessels

MISTRAS boasts extensive experience conducting API 510 inspections for in-service pressure vessels, specializing in various solutions to identify signs of internal and external corrosion, erosion, cracking, weld flaws, wall thinning, and other metallurgical discontinuities. MISTRAS helps ensure API 510 compliance through Fitness-For-Service (FFS) assessments and rate of corrosion calculations to enable pressure vessels to remain in-service and lower safety risks.

MISTRAS' RBI Development Process Keeps our Client's Risk Assessments Evergreen, by:

- Acquiring field data & documentation verification
- Overseeing execution of required inspection tasks to gain efficiency as part of Turnaround responsibilities
- Writing reports for inspection activities including coverage & NDE percentages for post turnaround RBI software reports

API/QA/QC Turnaround Inspection Services

After a turnaround inspection, MISTRAS delivers a detailed inspection report. This explains the latitude of all mechanical work/ inspection activities that occurred during the turnaround process. It also lists asset history from initial vessel construction to the most recent internal inspections. Other information found in these reports include all modifications labeled with a unique Plant ID tracking number, future repair recommendations, and a list of repairs performed from the inspection process.

Through the recommended action, for both immediate and long-term asset management, customers can save significant time and money.

Staffing, Expectations & Expertise

- Inspection teams built with consideration towards job details
- Pool of approximately 50 supervisory inspectors and 150 preferred contractors
- Turnaround jobs minimum staff
 - Two senior turnaround inspection leads
 - 1:1 ratio of senior inspectors to API inspectors
- Inspectors trained on FCCU structure inspection, averaging 17 years' experience
- API Inspectors jobs are based on knowledge of specific equipment
- Capable of implementing/ assisting Inspection Test Plans, Turnaround Planning, & Execution
- Certifications held by API inspectors: API 510/570/653/577/ 571/936/ CWI
- Refining/Chemical Plant Expertise: FCCU Structure Inspections, Crude/Vacuum, Fluid/ Flexicoker, Delayed Coker, CCR, ALKY, SRU, Light Ends, Reforming, Hydrocracking/Hydrotreating, Chemical Plant Units

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**One Source for
Asset Protection
Solutions**

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