

Petroleum Drilling Tools and Wellhead Tools Inspection and Grading Evaluation Technique

The petroleum drilling tools and wellhead tools inspection and grading evaluation technique is used for wear inspection, defect non-destructive test (NDT) and safety grading evaluation of petroleum drilling tools and wellhead tools. It represents an essential method to ensure safe operation of drilling and wellhead tools, avoid failure accidents, effectively eliminate drilling accidents, improve drilling efficiency and reduce drilling costs. Anton Inspection company is the first independent third-party inspection body that has engaged in the above services and gone global.

Technical Characteristics

- Various NDT methods are applied to test various defects including cracks, material corrosion, wall thinning;
- Adoption of menu type inspection schemes: Inspection items may be increased or reduced according to customers' demands;
- Capacity to implement various inspection standards both at home and abroad, which can satisfy internal and international oilfield management requirements;
- Independently developed special inspection equipment, with 8 patents obtained, rich experience in site inspection.

Scope of services

- Inspection of drill pipes, drill collars and other drilling tools;
- Inspection of elevators, rings, tongs, slips and other wellhead tools.

Qualifications

- CNAS testing laboratory accreditation, DNV.GL accreditation;
- 32 professionals with ASNT certifications, 80 professionals with certifications from the Chinese Society for Nondestructive Testing (ChSNDT) and 21 professionals with certifications from China Association of Special Equipment Inspection;
- 260 sets of inspection equipment involving UT, MT, magnetic leakage, phased array, sound emission and hardness;
- 12 inspection teams, which can inspect 1 million tools each year.

Performance

- Served the major oil fields in China, with 9,000,000 drilling tools and wellhead tools inspected;
- Provided services for oilfields in Central Asia, South America and Middle East, with 800,000 drilling tools and wellhead tools inspected;
- Acted as general contractor in terms of drilling tools inspection for CNPC Tarim Oilfield, with 450,000 drilling tools and wellhead tools inspected.

