

## Safety Equipment Inspection

Safety Equipment Inspection is to provide services for safety protection facilities in the process of production and circulation. Inspection objects include various safety valves (from boilers, pipelines and pressure vessels) and positive pressure air respirators (used in areas of firefighting, chemical industry, petroleum and smelting). The Metrology Inspection Branch is a leading third-party metrology inspection organization in China's oil service industry to provide security equipment testing.

### Technical Feature

- High technical standards: Testing shall be conducted in accordance with national standards such as GB/T12241-2005 General Requirements for Safety Valves, GB/T12242-2005 Performance Test Specification for Pressure Relief Devices, GB/T12243-2005 Spring Direct Load Safety Valves, TSG ZF001 2006 National Technical Specification for Safety of Special Equipment, JJG (New) 14-2014 Self-Open Type Compression Air Respirator.
- Wide inspection range with high accuracy

### Service Scope

- Safety valve inspection: caliber (0-300) mm, pressure (0-60) MPa
- Positive pressure air respirator inspection: high pressure (0-40) MPa, low pressure (-2.5-2.5) kPa

### Qualification

- 300 inspection/calibration items of China National Accreditation Service for Conformity Assessment (CNAS)
- 21 inspection items of China Metrology Accreditation (CMA: 192315220108)
- 67 items of measurement standard assessment and 21 items of measurement authorization
- 4 items of QHSE certification (ISO 9001, ISO 14001, GB/T28000, and SY/T 6276)

### Service Performance

- Tested more than 5,000 safety valves and positive pressure air respirators
- Served CNPC Western Pipeline Branch
- Served CNPC Tarim Oilfield Company
- Served CNPC Southwest Oil and Gas Field Branch

