Inlet & exhaust inspection capabilities

Keep equipment operating at peak efficiency

Dürr Universal provides both courtesy and full, engineered inspections, complete with "course of treatment" recommendations aimed at getting ailing systems back to health. Generally, neglected inlet or exhaust components that are 20 years or older are the primary reason customers seek out an inspection.

When inspecting inlet and exhaust systems, the Dürr Universal team seeks to answer a few key questions:

- What is the current baseline condition?
- What is in need of immediate attention?
- What have the plant operating teams noticed?
- Are any parts missing or disconnected?
- Is there exhaust system debris present around the stack?

HIGHLIGHTS

Both free courtesy and complete paid inspections offered

Full-service asset management for inlet and exhaust systems

Structural analysis, engineering design CFD modeling and full acoustical analysis available

Inlet & exhaust inspection capabilities

Keep equipment operating at peak efficiency

COURTESY INSPECTIONS

A courtesy inspection is a free, high-level review of the general condition of the inlet and/or exhaust equipment with photos and suggested repairs. A courtesy inspection is a great way to identify equipment issues and learn about Dürr's capabilities and expertise. Many times, after the courtesy inspection, customers choose to explore a full inspection to assure all critical component issues are checked and documented.

ENGINEERED INSPECTIONS

A full, engineered inspection is a paid, detailed assessment of inlet and/or exhaust system condition. It includes a comprehensive engineering report that details the condition of the equipment inspected and suggests repairs and upgrades. Dürr Universal can also provide typical work scopes and schedules to restore a customer's equipment to peak performance and safety.

MOST INSPECTED EQUIPMENT

The most inspected equipment on the intake side includes:

- Inlet filter house (weather hoods, tube sheets, filter house structure and structural steel)
- Evaporative cooler (steel structures, water piping, pumps, electrical controls, evaporative media/drift eliminators and supporting structures)
- Inlet ducting (steel structures, inlet silencer structural steel and expansion joints)

The most inspected equipment on the exhaust side includes:

- Transition ducting (liner sheets and support components, expansion joints and support steel)
- Baffles (perforated sheets, support bracket and overall wear, as these items typically wear out first)
- Exhaust stack (liner sheets, attachment structures and expansion joints)
- Plenums, cowls and diffusers

REPORTING

When the inspection is complete, customers receive a report containing baseline system conditions, suggested replacements for worn component/systems and retrofit options. Complete budget prices and lead time estimates are also available after the inspection is complete.

Turbine inlet systems also require reglar inspections

COMPREHENSIVE CAPABILITES

Dürr Universal's inspection services are just a sampling of what its knowledgeable team can do. Its full, in-house capabilities include:

- Engineering design
- Structural steel design/analysis
- CFD modeling
- ISO-certified manufacturer
- Installation and repair services
- Full acoustical analysis

The dedicated project management team will ensure all inlet and exhaust projects are completed on time and on budget.

Durr Universal, Inc.
1925 US Highway 51 and 138
Stoughton, WI 53589
USA

Phone +1 888 300-4272
Email solutions@universalaet.com
www.durr-universal.com