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Trane Chiller Health Check Program Assesses System Condition to Reduce Operational Costs

New Delhi, India, May 25, 2012 – The reliability and efficiency of a chilled water system is directly related to how its chiller is maintained and operated. In addition, proactive measures can prevent severe malfunctions and costly breakdowns. The new Trane Chiller Health Check Program can maximize the performance of existing chillers to reduce operating costs.

Trane, a leading global provider of indoor comfort systems and solutions and a brand of Ingersoll Rand, has launched the Trane Chiller Health Check Program to assess the reliability and efficiency of Trane chillers and their surroundings while ensuring that system safety standards are met. The new service is available throughout India.

During a short on-site visit, a Trane engineer inspects the chiller's operating condition and evaluates basic and critical parameters. In addition, an oil sample is taken and afterwards analyzed in the Trane laboratory to evaluate the presence of wear on the different chiller components.

After the inspection, customers receive a report that summarizes the condition of their chiller and describes any signs of an existing or emerging fault. Trane experts then recommend measures that will bring the system back to optimal operating condition, as well as possible upgrade and improvement solutions.

"The Trane Chiller Health Check Program helps ensure customers get the most reliable and cost-effective performance from their chilled water system throughout its complete lifecycle," explains Narinder Pal Singh, service and parts leader for the Trane commercial business in India. "This is especially important as operating costs typically account for 60-85 percent of building lifecycle costs, compared to 5-10 percent for design and construction expenses."

Two versions of the Trane Chiller Health Check Program are available depending on the customer need: basic and comprehensive.

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During the basic Trane Chiller Health Check, a Trane engineer visually inspects the chiller, including the general frame and the condition of the main components (refrigerant lines, electrical wiring and control panel, thermal insulation, heat exchangers, water connections and the compressor).

The surroundings of the chiller are also inspected to ensure that they meet the applicable equipment safety standards and operational requirements. Lastly, basic and essential parameters of the system are measured according to the unit controller characteristics.

In addition to all these checks, the comprehensive Trane Chiller Health Check also includes vibration and eddy current analysis to check the internal condition of the heat exchanger and thermographic inspection of the electrical panel.

The Trane Chiller Health Check Program complements the Trane service offering that enables customers to improve reliability, efficiency and cost of ownership. This includes the Trane Select™ and Trane Controls predictive and preventive maintenance programs and the Trane Care™ customized service solutions for system upgrade and optimization.

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