

Press Release

ROSEN LAUNCHES WORLD'S FIRST 4" COMBINED ULTRASONIC INSPECTION TOOL FOR METAL LOSS & CRACK DETECTION

Stans, Switzerland, August 25th, 2014 – The ROSEN Group has introduced the globally first 4" in-line inspection tool utilizing high resolution ultrasound technology for wall thickness measurement and crack inspection services. The latest state-of-the-art in-line inspection tool has successfully completed a combined inspection of a TCO (TengizChevroil) high pressure gas pipeline in Kazakhstan. The job was performed using a suitable liquid batch.

The new combined ultrasonic inspection services named "RoCombo UT-A/UT" comprises full coverage ultrasonic metal loss and wall thickness measurement as well as ultrasonic detection of circumferential oriented cracking within a single inspection run. Characteristic especially for the 4" inspection tool is the high grade of miniaturization of the components while preserving the well-known reliability of ROSEN's inspection technologies. This unique new tool is also available for 6" heavy wall pipeline systems extending ROSEN's abilities to serve customers' needs.

The new "RoCombo UT-A/UT" service detects and sizes a wide range of pipeline anomalies including metal loss, laminations, circumferential cracks and crack-like features, stress corrosion cracking (SCC) and weld cracks. It also provides accurate quantitative wall thickness measurements for the entire pipeline length.

At the same project the first 4" combined high resolution caliper and mapping service was performed successfully. Thus the new service was successfully applied to identify geometrical anomalies, measure possible pipeline movement and assess any bending strain in addition to service goals mentioned the above.

Combining inspection technologies provides major benefits to customers, for example savings on pipeline preparation, less downtime during the batching operation and a full range of high resolution inspection data on potential metal loss and cracks. The high quality data can subsequently be used for advanced integrity assessment purposes.

Press material



Subtitle: ROSENs new 4 inch combined inspection tool at the launcher trap in Kazakhstan.

About the ROSEN Group

ROSEN is a leading privately owned company established in 1981 by Hermann Rosen in Lingen, Lower Saxony, Germany. Over the last 30 years, ROSEN has grown rapidly and is today a worldwide provider of leading technology in all areas of the integrity process chain with more than 2200 employees in over 120 countries worldwide.

The 4 key ROSEN areas of expertise include:

- Inspection of critical industrial assets to ensure reliable operations of the highest standards and effectiveness
- Customized engineering consultancy providing efficient asset integrity management
- Production and supply of customized novel systems and products
- Market-driven, topical, state-of-the-art research and development providing “added value” products and services

For more information please visit our website at: www.rosen-group.com

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