John Crane TurboTalk

The journal of the John Crane Turbomachinery Group

Introduction

Welcome to the fourth issue of John Crane Turbotalk - bringing you the latest news from John Crane's Turbomachinery division, which produces advanced technology products for the global oil and gas industry.

In the last issue we highlighted the extension of our product range into hydrodynamic bearings with the acquisition of Sartorius Bearing Technology which has been renamed John Crane Bearing Technology (JCBT).

In this issue we are very pleased to announce the acquisition of Indufil Filtration Systems in Holland. The transaction was completed recently and represents an exciting addition to the John Crane range of products for the Turbomachinery industry. Indufil manufacture a unique range of filtration systems for seal gas and lube oil systems for compressors as well as fuel gas filtration systems for Gas Turbines.

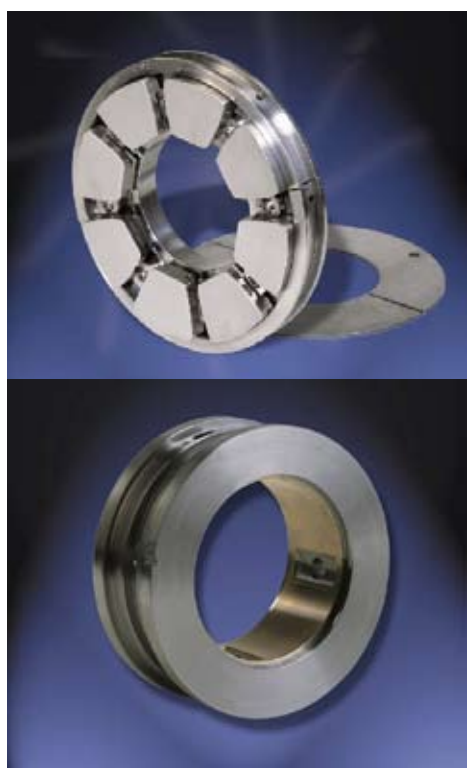
In this edition of Turbotalk we bring you an interesting mix of topics, from troubleshooting in Syria to a new bearing contract for pumps in Siberia – we hope you enjoy it.

If you are going to the 37th Turbomachinery Symposium in Houston USA from 8th-11th September, visit us at booth 507 and 600 or email us at the address below for further information.

Please send your comments to turbotalk@johncrane.co.uk and feel free to forward this newsletter to colleagues who may find it useful. They can subscribe for future copies at www.johncrane.com or by clicking here.

Ian Goldswain

John Crane Bearing Technology scoops major bearings contract



John Crane Bearing Technology joined the John Crane group of companies in November last year and since that time JCBT has enjoyed great success. Recently they secured a major contract to provide JCBT standard bearings for Transneft's East Siberia-Pacific Ocean (ESPO) oil pipeline.

The bearings will be used on a series of horizontally split High Pressure Double volute (HPDM) pumps manufactured by Sulzer in the UK. Each of the 24 units is driven by a 14.5Mw electric motor. The bearing sets comprise of 2 bespoke four lobe journal bearings and a self-equalising double thrust tilting pad bearing. More details from...

Seals drive performance in Syria

The latest high performance separation seals are improving reliability at a plant owned by Syria's largest oil and gas producer, the Al Furat Petroleum Company.

A series of gas compressors were installed at the plant, which produces two third's of Syria's oil output, back in 1997. However, the unexplained failure of one separation seal was affecting the efficiency of the plant and John Crane's Type 83 separation seal provided the solution.
More details from...

Rapid response works wonders

When a compressor shut down with high seal leakage after 12 years of operation at an oil and gas installation in the North Sea, John Crane's local Service Centre in Norway set about finding a solution as quickly as possible.

The gas seals were in use at the Troll B oil and gas field in the northern North Sea, off the coast of Norway. The platform is operated by Statoil / Hydro, the world's largest offshore operator. As a result of the shutdown, the field was losing over 20 million Norwegian Kroner per day (£2 million/ day), so a solution was needed urgently. More details from...

Investing in large diameter seal production

John Crane has recently invested in a state-of-the-art machining centre to extend its capability to produce large diameter seal parts up to 1.25 metres in diameter.

John Crane have seen an increasing demand for large diameter seals over the last couple of years, indeed for one LNG plant alone they have supplied 50 seals for shaft diameters of 300 and 350mm in the last year. The market is being driven by the global demand for cleaner fuels and the migration away from coal power. Ethylene plants are also getting much bigger and China are building several new 1000 tons/ year trains to satisfy the regions demand for plastics. The compressors are getting significantly bigger to increase capacity and reduce production costs.
More details from...

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