Mechanical Seals

Fields

Paper mills
A fluctuating business

The regular fluctuation in the price of paper means there is no continuity in the business for all of the players in the market:

- cellulose factories,
- printers paper,
- newsprint,
- photocopy,
- food quality,
- packing, etc.

On the other hand, papermakers demand additional reliability of their machines and are shortening maintenance intervals.

A field to be explored

With its lower energy consuming mechanical seals, LATTY® prioritises the treatment of effluents rather than that of paper pulp, and is oriented towards partnership agreements with repairers/integrators for the supply of replacement parts. The imposing machines in this industry tire quickly...

The privileged sector for mechanical seals!

Original fitment: GFO® fibre packing and injection port in liner with Nickel-Chrome coating.

This arrangement was satisfactory in terms of lifespan, but required a continuous injection of water into the product which destabilised the composition of the digester, and also numerous re-tightening operations.

Reference case

B 10610 + U6810

The TARTAS paper mill

Original fitment: GFO® fibre packing and injection port in liner with Nickel-Chrome coating.

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Project started in 2002

For the first plans:

- recommendation of a LATTY® seal cartridge solution with a double mechanical seal.
- Installation of a flowmeter for watering of mechanical seals at 0.2 MPa (2 bar) - 4 l/min.
- Two mechanical seals operating the oldest one with a lifespan of 18 months.
- Our solution is not called into question, the ideal being to attain 24 months correct operation, by improving the materials and the mechanical seal environment.
Paper mills and cellulose plant maintenance departments regularly study with the seal suppliers, upgrades to pumps originally fitted with packings, in favour of mechanical seal solutions.

These measures need to be studied and optimised with great care; consultation with the OEM may be recommended.

On the DAHOL pump, the fitting and choice of seal were made in perfect agreement with the user. The B 18222 with its single spring was chosen and successfully reduced, even dispensed with maintenance work and above all ensured a leak-free pump.

LATTY® has joined forces with the paper mills to protect the environment. Control over water consumption is increasingly efficient.

Thanks to detailed studies, conducted with manufacturers, mechanical seals using more efficient materials and ancillary equipment have been developed which enable the water to be re-used.
Complete range available on...

Section of types of seals

LATTY® Designations

Standardised Mechanical Seals Cartridges Modules

Standard series and derivatives

Marine Energy The water industry

Paper mills

Energy

The water industry

Cartridges

Modules

Standard series and derivatives

Rotating couplings

Custom

Sealing technique

Selection of types of seals

Sealing technique

Our other products

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LATTY国际有限公司

由 LATTY 提供的全面解决方案

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