

Press Release

Voith Turbo (Pty) Ltd
16 Saligna Street
Hughes Business Park
Witfield,
Boksburg, 1459

Main Switchboard:
Telephone +27 11 418-4000
Telefax +27 11 418-4080

9 October 2014

Motek and SPS IPC Drives 2014: Voith presents a wear-free alternative to the electromechanical shaft

The visitors to this year's Motek trade show in Stuttgart (6 to 9 October 2014) and the SPS IPC Drives show in Nürnberg (25 to 27 November 2014) will see some interesting innovations. Voith will present a wear-free alternative to the electromechanical shaft: the CLDP servo drive is setting the standard in drive technology. The benefits of the servo drive will be demonstrated at the fair booth (Motek: Hall 9, Booth 9004; SPS IPC Drives: Hall 3, Booth 205).

The CLDP servo drive can be used for all direct linear motions, especially when dynamic response, reproducibility and reliability are needed. Enhanced productivity, thanks to the speed of the drive and longer lifetime, are attractive features for plant operators. Unlike electromechanical shafts, this self-contained linear drive offers a high level of overload protection and wear-free operation. The maintenance interval is three years – operators benefit from the low maintenance costs. The servo drive covers a power range from 25 kN to 500 kN and speeds of up to 1000 mm/s. Force and position control are simple and precise. In addition, the servo drive is compact and available in three different designs. This makes for very simple system integration.

2/...Voith presents a wear-free

2/...Voith presents a wear-free

The servo drive design is simple: The heart of the unit is an integrated servo pump. The motion of the motor is directly linked to the cylinder movement so that the rotational speed and direction of the servo motor determine the cylinder's speed and direction of motion. This makes implementing the most varied speed and travel profiles a simple matter.

The self-contained compact drive operates in a closed circuit and is equipped only with one electronic interface; there's no need for typical hydraulic components such as a power pack, valves, pipes, and hoses. The CLDP servo drive combines the benefits of electromechanical shaft drives with the benefits of hydraulics: energy efficiency, wear-free operation together with a high power density.

Voith Turbo H + L Hydraulic is a subsidiary of Voith Turbo. Voith Turbo, a Group Division of Voith GmbH, is a specialist for intelligent drive solutions. Customers from highly diverse industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on advanced technologies from Voith Turbo.

Voith sets standards in the markets energy, oil & gas, paper, raw materials and transportation & automotive. Founded in 1867, Voith employs almost 43 000 people, generates €5.7 billion in sales, operates in about 50 countries around the world and is today one of the largest family-owned companies in Europe.

Contact:

Terry-Lynn McIntosh

Marketing Coordinator

terry.mcintosh@voith.com

Phone: +27 11 418 4036

Voith Turbo (Pty) Ltd
16 Saligna Street
Hughes Business Park
Witfield,
Boksburg, 1459

Main Switchboard:
Telephone +27 11 418-4000
Telefax +27 11 418-4080

Page 2
Press Release
9 October 2014