

# HONSBERG

Member of GHM GROUP

## Flow measurement in lubrication of power plants

### Flow meter LABO-HD2K



Flow Sensor HD2K



#### BENEFITS.

- small pressure loss (compared to gear wheel meter)
- Viscosity compensated up to 330 mm<sup>2</sup>/s
- operation is independent of positioning horizontal or vertical
- separate display can be installed in a suitable place, ready in field housing

#### The application

Nantong Southward Lubricate Hydraulic Pressure Equipment Co, Ltd is a Chinese producer of lubrication equipment. This application refers to a special lubrication system for power plants.

To guarantee the reliable function of the system, the oil flow has to be regulated and monitored. For this plant 2-6 measuring devices are required for each system.

The customer required also a display at the measuring place. He preferred a 2-wire system to connect to his PLC.

#### Our solution

The first solution offered was the VHZ gear wheel volumeter. This would be independent of viscosity and also a 2-wire-system. But this system requires quite strong pumps because of the pressure loss.

Therefore the customer decided for the HD2K. As GHM GROUP offers high quality with an excellent price-performance ratio, the customer has chosen this device.

HD2K with the LABO electronic was available only as 3-wire-system, but it offered a viscosity compensation and also the pressure loss was in a suitable range. The display was added as a separate Greisinger GIA2000 device, which comes in a small and easy to install field housing.

Order size: 100 pieces HD2K

### The advantages

- small pressure loss (compared to gear wheel meter)
- Viscosity compensated up to 330 mm<sup>2</sup>/s
- operation is independent of positioning horizontal or vertical
- separate display can be installed in a suitable place, ready in field housing

### Why did the customer decide to buy the solution of GHM GROUP:

- customer appreciates quality of this product ("never had any claims since years")
- meets all requirements of this project for an acceptable price



Lubrication system of power plants

### Our customer nfry-china



指南

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HD2K – in practical application by our customer Nantong Southward Lubricate Hydraulic Pressure Equipment Co, Ltd

 **GHM GROUP**  
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