Application-Report

O&K Orenstein & Koppel AG, Berlin

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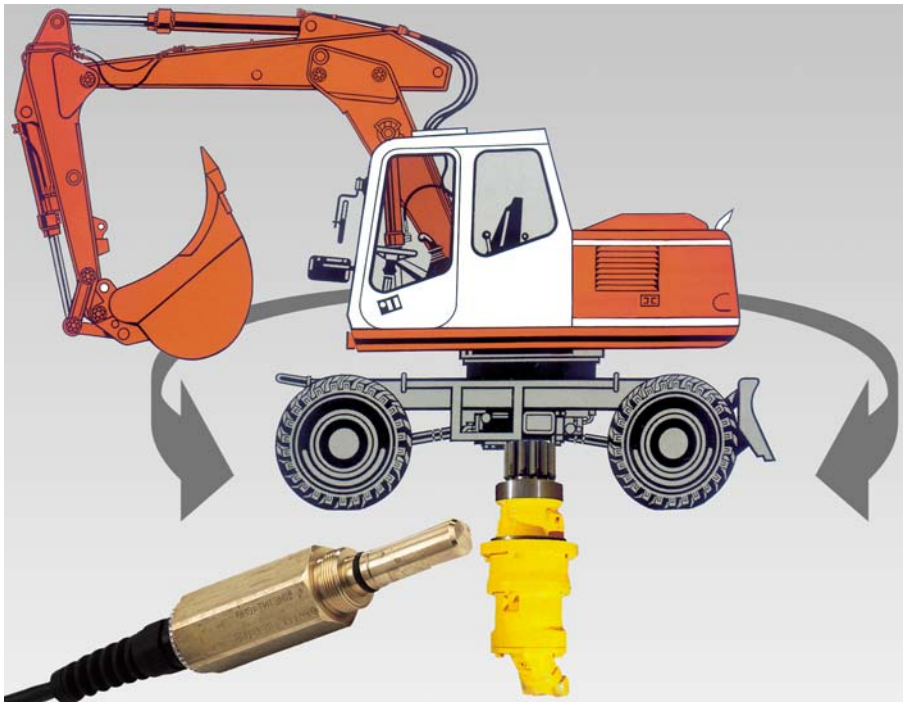
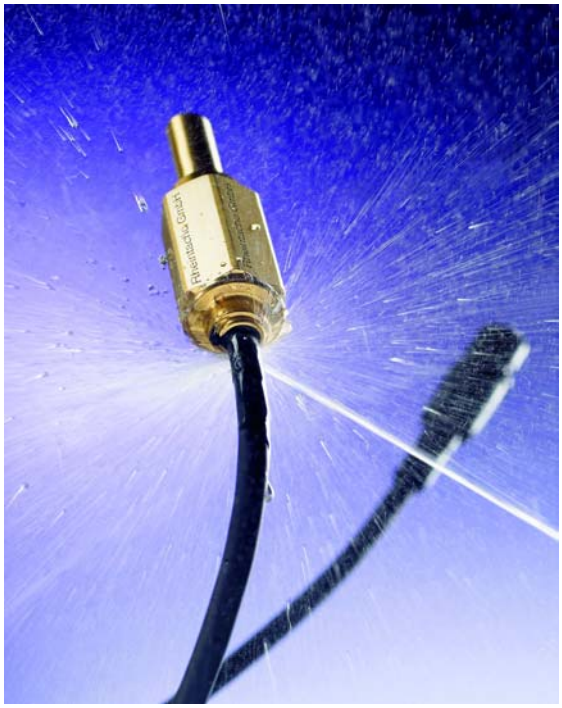
Task:
It is to be ensured that, when turning a shovel excavator, counter-steering in the other direction is only possible below a defined, low rotational speed.

Solution:
The speed of the hydrostatic drive is measured with a hall-effect sensor. An additional output on the sensor issues a digital switch signal whenever the frequency falls below the specified value. Three different limit frequencies are required, depending on the various gear geometries.
This patented sensor is available with the limit frequencies 12, 22 and 32 Hz. It has been designed for high pressures and harsh environments.





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Rheintacho Messtechnik GmbH – Systems for measurement, control and indication of rotational speed
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