

Rosemount 2120 Low Level Alarm

RESULTS

- Minimum intrusion into tank allows it to fit into limited space
- Simple relay output indicates “no liquid present”
- No moving parts minimizes maintenance



Figure 1: Rosemount 2120 Vibration Fork Level Switch with small forks and compact design fits fine even where space and access is limited.

APPLICATION

Hydraulic oil reservoir alarm.

CUSTOMER

Hydraulic system users.

CHALLENGE

In hydraulic systems, there is a reservoir of hydraulic oil that refills the system in the event of small oil leaks or losses. When the reservoir is empty, the operator must be warned while the equipment may possibly switch into a safe mode. The lower levels of hydraulic oil reservoirs have limited space and access, requiring a small sensor. The Rosemount 2120 fits ideally into this limited space.

SOLUTION

Using a Rosemount 2120 Vibration Fork Level Switch, a simple relay output provides the “no liquid present” alarm signal. Powered from 20 to 60V dc, the 2120 with SPCO relay electronics is screwed into a $\frac{3}{4}$ ” BSPT threaded hole and protrudes 2 in (50mm) (typically) into the reservoir. In an alarm condition, the alarm output triggers an LED, horn or machine inhibit circuit.

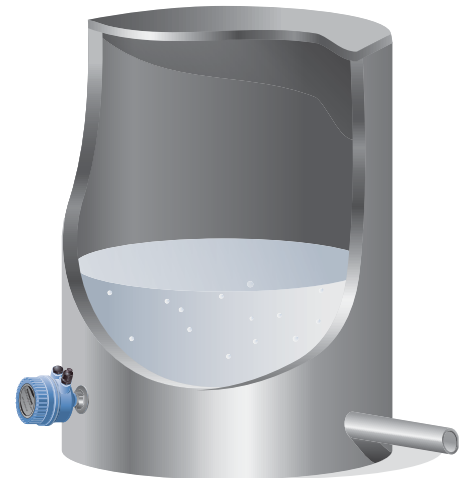


Figure 2: The 2120 installed in an oil reservoir. If no liquid is present, a reliable alarm signals.

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