150 YEARS 1872-2022

HUBER TECHNOLOGY
WASTE WATER Solutions

HUBER Wash Presses
Wear Detection

- Identification of the ideal time for screw shaft maintenance
- Maintenance of the HUBER Wash Press WAP® as and when required
- Sensor with signal LED on the HUBER Wash Press WAP®
- Also for retrofitting to the HUBER Wash Press WAP®

More information, downloads and current news

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HUBER Wash Press wear detection system

The aim of the HUBER Wash Press wear detection system is to enable a preventive maintenance strategy.
The system detects a threshold value in the diameter loss of the compacting screw in the closed compaction zone section of the wash press.
This part of the compacting screw is usually the machine component subject to the most wear. At the same time, however, it is difficult to control.
If increasing screw wear is detected, the operator is informed via a warning message in the machine control. Maintenance can now be planned in time and an unforeseen machine failure can thus be prevented.

The user's benefits

- Preventive maintenance strategy
- Avoid unplanned machine downtime
- Reduce service effort and costs

With the exception of the smallest model, every version of the HUBER Wash Press WAP® will be equipped with the HUBER Wear Detection system in future. In addition, the HUBER Wear Detection system can be retrofitted to any HUBER Wash Press WAP®.

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Interested in retrofitting the HUBER Wash Press Wear Detection?
Do not hesitate to contact HUBER Global Service – the retrofit can be combined with a maintenance visit to save costs.

Screw shaft in new condition.

A screw shaft beginning to wear.

Advanced wear on a screw shaft.

The intensity of wear is significantly influenced by several factors:

❶ Dry residue content of the screenings compacted and discharged: The force required for dewatering increases exponentially with the degree of dewatering of the screenings. The more highly dewatered the screenings are, the more intensive the wear.

❷ Grit, stones and debris in the screenings: large and small mineral components of the screenings act like sandpaper. Even small, but permanently present amounts of grit or debris components in the screenings have a negative effect on the service life of the screw. Especially in combination with high DR contents, this results in significant losses in service life.

❸ Unnecessary machine operation: If a wash press is operated without screenings, the last helical flights of the screw will also be emptied. The screw can then evade the compaction pressure and rubs against the conveying bars, which leads to additional wear and tear on the machine.

HUBER SE
Industriepark Erasbach A1 | 92334 Berching
Tel.: +49 8462201-0 | info@huber.de
www.huber.de