
The water under control

The telematics option for the truck mixer generation 05

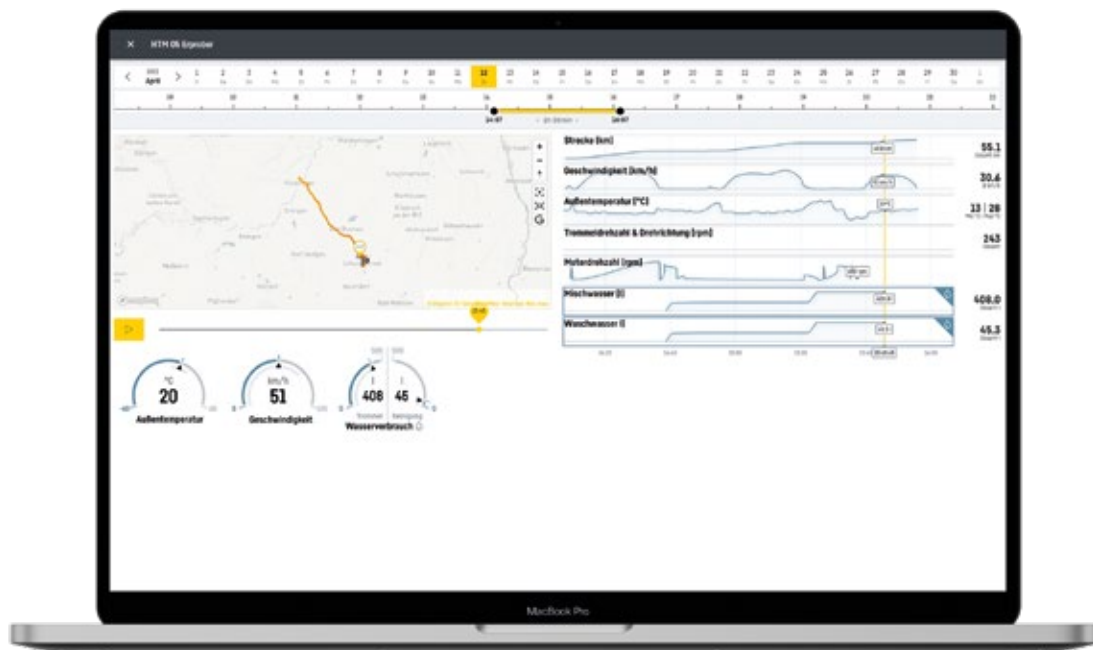
LIEBHERR

Litronic-WCS



Full control when adding water

Litronic Water Control System



Graphic display of an exemplary tour

The amount of water consumed and all other important key figures are clearly displayed in the telematics portal.

The Litronic Water Control System (LWCS) is a module from the telematics package of the truck mixer generation 05. For the operating company this opens additional opportunities when it comes to the quality assurance of concrete deliveries, the optimisation of processes, and for monitoring or documentation.

- Recording and allocation of all water quantities used
- Complete documentation in material management with traceability through data transfer via the integrated telematics interface
- Assurance of the concrete quality during delivery through verification of the quantity of water added
- Simple operation and allocation of water quantities by the driver

The addition of water to the concrete has a major influence on the concrete quality. As such, control and documentation of water consumption at the truck mixer is an important aspect in the supply chain. Features of the water system are the three electric valves and a robust flow meter without moving parts. The electrical control system also provides the driver with the following new convenience functions:

- Addition of predefined* amounts of water, e.g. 10 litres per m³
- Mix concrete for 5 minutes (other times also possible)
- Water emptying for winter operation
- Cleaning program for the mixing drum

All water removals are documented and allocated. So, for example, with selection „Water for cleaning the inlet hopper“, the consumed quantity is allocated to the use „Water addition in concrete“. When water is added, the system requires the concrete to be mixed for 5 minutes. Cleaning operation during the drive home turns the drum alternately in both directions so that contaminants are removed more easily. The residual water is usually emptied into the recycling plant. All relevant data from the water system and from the drum controller is transferred to the material management system including: Drum speeds, turning direction, water quantities with allocation.

For technical reasons, the LWCS is only available in combination with the electric drum control „Litronic-EMC“.

*tolerances must be taken into account

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to Video

