

## **Hoisting over obstacles with Liebherr cranes – 108 tonne steel tank moved over 12 metre pipe bridge**

- Three large Liebherr mobile cranes managed this complex job at a chemical plant
- Maximum and Maxikraft showcased their logistics and expertise
- 108 tonne storage tank transported and installed

**Ehingen / Donau (Germany), 23 July 2019 – Three large Liebherr mobile cranes were sent by crane and heavy haulage logistics contractor Maxikraft, which mainly operates in the east of Germany, to complete a tricky job at a chemical plant near Halle (Saale) – a storage tank weighing over 100 tonnes had to be transported from its assembly area through the factory site to its destination and then installed in the plant. The route through the factory site was blocked by a large pipe bridge.**

Three large cranes from the Maxikraft Group were used for this extraordinary crane job at Schkopau near Halle in Saxony-Anhalt. A storage tank weighing 108 tonnes and measuring 33 metres in length had to be transported a distance of around one kilometre through the chemical plant and also had to be hoisted over a twelve metre high pipe bridge. Two Liebherr mobile cranes, an LTM 1500-8.1 and an LTM 1750-9.1, positioned on both sides of the pipes, managed to complete the job with ease. After the steel tank had previously been moved on a temporary site road, the awkward load was lifted off a low loader by two mobile cranes and carefully hoisted over the obstacle.

### **Slewing platform extension made a smaller support base possible for the LG 1750**

A Liebherr LG 1750 lattice boom mobile crane was already waiting at the destination. Together with the LTM 1500-8.1, the storage tank was moved to the vertical and then hoisted by the large crane into the plant over a 16 metre concrete wall to its final installation location. The powerful crane was fitted with a 70 metre main boom for this job, which required a radius of 30 metres. Due to the constricted space, the LG 1750 could only be set up with a small support base measuring 12 x 12 metres. The crane was fitted with the optional slewing platform extension to ensure that the gross load of

115 tonnes could nevertheless be managed at this radius. This increased the ballast radius by 2.5 metres and raised the crane's lifting capacity values.

"This job was a welcome change to our everyday working lives," said Volker Weber in satisfaction at a challenging job well done, which the efforts of required 30 personnel. Weber is the manager of the Maximum outlet in Schkopau, and was responsible for preparing and planning the tank installation. Since his outlet only has six small mobile cranes available, support is requested when required from the Group, which has access to an impressive fleet numbering almost 180 cranes. Around 90 percent of them bear the Liebherr name.

### **Captions**

liebherr-ltm-lg-1750-1500-maxikraft-schkopau-motiv1.jpg

Almost there – the two Liebherr mobile cranes carefully hoist the 108 tonne steel tank over the pipe bridge. The boom of the LG 1750 can be seen on the left of the photograph.

liebherr-ltm-lg-1750-1500-maxikraft-schkopau-motiv2.jpg

Constricted – the LG 1750 had to be set up with a small support base. The crane was fitted with 250 tonnes of ballast.

liebherr-ltm-lg-1750-1500-maxikraft-schkopau-motiv3.jpg

Teamwork – the LTM 1500-8.1 helps to hoist the load.

liebherr-ltm-lg-1750-1500-maxikraft-schkopau-motiv4.jpg

At the destination – as darkness fell, the cylindrical steel tank was placed in its final position using a radius of 30 metres.

liebherr-ltm-lg-1750-1500-maxikraft-schkopau-motiv5.jpg

A great team – a group photograph of the crane operators from the three Liebherr cranes. From left: Christian Prinz, Ralf Rudisch, Mike Eule-Schuster, Denny Beulke, Thomas Tschemmer and Jürgen Müller.

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