

Press release

First Liebherr Mobile Harbour Crane with fossil-free diesel

- **Port of Södertälje runs the first Liebherr mobile harbour crane with fossil-free diesel made of 100% renewable raw materials**
- **New low-emission LHM 420 enables the port to handle goods more efficiently and will contribute to further growth**
- **The Port of Södertälje was the first port in Sweden to convert to fossil-free fuels**

The Port of Södertälje underlines its efforts to become a Green Port with the acquisition of the first Liebherr mobile harbour crane running on fossil-free HVO100 diesel. The new LHM 420 mobile harbour crane was recently delivered to the port and will significantly improve handling capacity in the container and project cargo sector.

Rostock (Germany), May 2021 – With its proximity to the good infrastructure of Stockholm and its metropolitan area, the Port of Södertälje has a unique location in one of the most expansive regions in Scandinavia.

The Port of Södertälje purchased a new Liebherr mobile harbour crane, type LHM 420 in 2020. The new machine was delivered in March 2021 and is already in operation at the port. With its lifting capacity of up to 124 tonnes and its 360-degree mobility, the crane offers the port flexibility in handling a wide range of goods. In addition, the crane is fully loaded with various assistance systems that make container handling even more effective and safe. Liebherr assistance systems such as the Vertical Line Finder, the Teach-In system or the Advanced Container Control make the crane a partially automated and intelligent crane. In addition, due to the proximity of the port to the city, the LHM noise insulation is installed.

“The timing for us to invest in a third mobile harbour crane is perfect. It means that we can offer our customers a more efficient handling and permits continuing growth within the container segment as well as project cargoes”, says Robert Tingvall, CEO at Port of Södertälje, “we have a very modern terminal, focusing on efficiency, automation, and digitisation. We are very pleased and happy about this new crane.”

Next to emission-free with HVO diesel

Besides all the useful and efficiency-enhancing features, the real special characteristic of the new machine for Sweden is its type of fuel. The machine is the first Liebherr mobile harbour crane to run on HVO diesel, which is almost emission-free. HVO Renewable Diesel is a premium fossil free diesel product made of 100% renewable raw materials, which does not release any new carbon dioxide into the atmosphere. It is produced by hydro-treatment of vegetable oils and/or organic fats. The result is a premium quality fuel with a chemical structure almost identical to regular diesel and can therefore fully replace fossil diesel. The Port of Södertälje was the first port in Sweden to convert to fossil-free fuels. Since 2016, the port uses the environmentally beneficial fuel HVO100 to run its vehicles, machinery, and cranes.

However, the port will only use the diesel engine to move the crane at the terminal. Once the crane is at the desired location, the electric motor will be used for cargo handling. The port's electricity also comes from renewable sources, such as wind and solar power.

“Up to 30% of the electricity we consume comes from our own photovoltaic system, which is on the roof of one of our warehouses. The rest is green electricity from sun, wind, and water,” says Robert Tingvall, CEO at Port of Södertälje.

About Liebherr-MCCtec Rostock GmbH

Liebherr-MCCtec Rostock GmbH is one of the leading European manufacturers of maritime material handling solutions. The product range comprises ship, mobile harbour, and offshore cranes. Reachstackers and components for container cranes are also included in the product portfolio.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality and user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 140 companies across all continents. In 2020, it employed around 48,000 staff and achieved combined revenues of over 10.3 billion euros. Liebherr was founded in Kirchdorf an der Iller in Southern Germany in 1949. Since then, the employees have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

Images



liebherr-lhm-420-mobile-harbour-crane-södertälje-sweden-europe.jpg

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