

### **Liebherr LH 22 M Material Handling Machine at the Bern Construction Machinery Exhibition 2014**

- Operating weight approx. 21 tones
- Material handling, unloading and sorting materials, general cargo and bulk
- Powerful as well as compact machine
- Service-oriented design for reduced maintenance times

**March 2014 – The machine exhibited at the Bern Construction Machinery exhibition 2014 is an excellent representative from the Liebherr range of small material handlers. The LH 22 is available with both mobile and tracked undercarriage.**

The displayed machine is equipped with a straight boom 5.5 m and a 3.5 m industrial stick with tipping kinematics as well as a Liebherr sorting grab type SG 25B with 0.75 m<sup>3</sup> capacity. Other features of the machine configuration are the operator's cab with hydraulic height adjustment as well as the four outrigger supports at the front and rear. With this working attachment, the LH 22 M Litronic is optimally equipped for recycling and sorting tasks.

The LH 22 M Litronic material handling machine combines comfort, performance and reliability. Furthermore, it offers the winning combination of ground-breaking fuel efficiency, high lift capacity and long reach distances.

With an operating weight of approx. 21 tones, the compact LH 22 M Litronic is the smallest machine in the Liebherr range designed for material handling works. In spite of its compact dimensions, it is extraordinarily powerful. The turbocharged four-cylinder diesel engine with intercooler delivers its power of 100 kW / 136 hp at only 1,800 rpm. The increased engine's power combined with boosted pump flow, leads to increased significant handling's performance.

The brand new developed Liebherr diesel engine complies with Stage IIIB / Tier 4i exhaust emissions regulations and allows the fuel consumption of the LH 22 M to be reduced by as much as 30 % compared to the previous model, the A 316 Litronic.

Exhaust post-treatment is handled by a maintenance-free oxidation catalytic converter. A diesel particle filter is also available as an option. This means the Liebherr material handling machine complies with globally applicable regulations on particulate emissions. The service-oriented machine structure guarantees short maintenance times and minimizes the resulting maintenance costs.

The robust undercarriage of the LH 22 M Litronic is also longer than on previous model which guarantees outstanding stability of the new machine. The larger supported width and modified lever geometry between the monoblock and hoist cylinder make it possible to achieve heavier loads. They are perfectly designed for material handling, unloading and sorting materials, general cargo and bulk.

The brand new Liebherr operator's cab with fully automatic air conditioning system is equipped with infinitely variable operator's hydraulic cab elevation as standard. This offers the operator the best possible visibility of the working area, as well as ensuring safe and efficient working. The new design, with its spaciousness and comfort, sets new standards in terms of ergonomics. The air suspended operator's seat also features seat heating as standard and a lumbar support for reducing fatigue when working.

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