



PRESS INFORMATION

LX1 wheel loader factsheet

The LX1 hybrid wheel loader from Volvo Construction Equipment has 98% new parts, which enable it to achieve a 50% improvement in fuel efficiency.



The LX1 wheel loader from Volvo Construction Equipment (Volvo CE) is a series hybrid that incorporates a driveline consisting of electric drive motors mounted at the wheels, electric driven hydraulics, a battery energy storage system, a significantly smaller diesel engine and new machine architecture. It's this combination that enables the substantial gain in fuel efficiency. Tests at the Redwood Landfill and Recycling Center in California show an average improvement of 50% in fuel efficiency.

As well as the improvement in fuel efficiency and reduction in emissions, the LX1 also offers a significant reduction in noise pollution compared to its conventional counterparts. The Volvo CE prototype – which has 98% new parts and a fundamentally new machine design – is capable of doing the work of a wheel loader one size larger.

“At this stage, the LX1 is still part of a development project and it is not commercially available,” says Scott Young, electromobility director at Volvo CE. “However, before



we launch a machine like the LX1, you can expect to see elements of this design incorporated into our products. This supports short and mid-term developments and requirements while the market continues to accept hybrid technology, technology improves and the cost of new technologies decreases.”

Ends.

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For further information, please visit: www.volvoce.com

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