

Job Report Wheel Loader

L 550

Concrete application

at Xinjiang Hengshi Construction Materials
Co. Ltd in Urumqi city, Xinjiang, China



LIEBHERR



Xinjiang Hengshi Construction Materials Co. Ltd. appreciates the hydrostatic transmission technology of Liebherr wheel loaders.

Situation

Xinjiang Hengshi Construction Materials Co. Ltd was established in 2007. Its focus is on real estate development and on the provision of construction materials and is located in Urumqi city, Xinjiang. In recent years, Urumqi has been investing significantly in infrastructure which has resulted in big demands for construction materials, especially concrete. With this in mind, Hengshi Company plans to build five big concrete batching plants by 2021. The first batching plant started production at the beginning of 2019.

Task

The first batching plant has two production lines and has the capacity to produce between one and two million cubic metres of concrete. Due to the extremely low temperatures in Urumqi during the winter the working period lasts from April to November. During this time the plant works for 24 hours per day in two-shift operation. Wheel loaders are also involved in the production process for loading and stacking material in the stockyard as well as feeding the silos of the batching plant.



The Liebherr wheel loader L 550 stockpiling material efficiently at the batching plant.

Solution

In 2019, to enable it to make full use of the plant's enormous production capacity, Hengshi Company bought two L 550 Liebherr wheel loaders. The customer states that with their hydrostatic transmission technology, Liebherr wheel loaders outperform any wheel loaders from Chinese brands and as such increase the efficiency in the batching plant. Furthermore, the customer appreciates the automatic brake function, especially during stockpiling, which is an additional safety feature.

In the development process, Liebherr has tested its wheel loaders rigorously for prolonged periods in highly demanding applications. As a result, customers can achieve high levels of productivity with these machines for several reasons: The fuel consumption of the well-proven hydrostatic driveline concept is very low, increasing the customer's profit. Liebherr installs the diesel engine at the rear of the wheel loaders allowing the engine to act as natural counterweight, leading to higher tipping loads at lower operating weights. Hengshi Company also appreciates the articulation angle of 40 degrees, ensuring maximum manoeuvrability when space is limited.

Technical Data

Operating weight	17,350 kg
Tipping load, articulated	12,350 kg
Engine output (ISO 14396)	147 kW / 200 HP

Bucket capacity	3.5 m ³
Fuel consumption	13 litres / operating hour
Tyres	Techking 23.5-25 TT