

Job Report

Wheel Loader

L 580

Quarry use

at Chaohu quarry in Anhui, China



LIEBHERR



L 580 during loading the lorry.



L 580 transporting the crushed rock.

Situation

The Chaohu quarry is a private-owned company which was established in 2004 and it is located in east part of China, Anhui province. The production capacity of this quarry is 2 million cubic meters per year. This quarry job site produces high quality crushed stones which is widely used in local real estate construction, infrastructure and other municipal projects.

Task

The main task of wheel loader is to load the crushed stones onto trucks and also stack the stones pile. Due to the high required production capacity the wheel loader is working in 2 shifts by 10 hours each.

Solution

For this quarry application, Liebherr offered the perfect solution, the L 580. Thanks to the hydrostatic driveline of the L 580, the fuel consumption is very low, which leads to less downtimes through steadily refueling the machine and save of money. The fuel consumption of L 580, compared to a Chinese brand 3.0 m³ wheel loader, is lower than around 10%.

Even though, the local real estate business is not booming as usual recently, the owner of the quarry increases the production to meet the demand from his customers. Besides the L 580, the customer also bought one unit of L 556.

Because of the dusty area the machine is operating, the customer requests the wheel loader to be equipped with a high end cabin to protect the driver from dust. Furthermore the noise level should be low because the job site is quite near to the city area.

Moreover the cabin's compact design and the high rate of glass improve all-round visibility in all directions. On top of that the noise level inside the cabin is only 69 dB(A) which is much lower compared to other wheel loaders. All in all the mentioned features and the outcoming benefits helping the customer to run his business more efficient and profitable.

Technical Data

Operating weight	18,000 kg
Tipping load, articulated	24,720 kg
Engine output	209 kW / 284 HP

Bucket capacity	5.0 m ³
Fuel consumption	20 litres / hour
Tyres	Triangle 26.5-25 EM