
R 992 Litronic

Job Report: Crawler excavator

The R 992 Generation 6.2 excavator:
high performance and low emissions
at Carrières et Matériaux Sud-Est

LIEBHERR

Crawler excavator



Situation

COLAS France is a French public works company specialising in the construction and maintenance of transport infrastructure. The group owns CMSE (Carrières et Matériaux Sud-Est), a company with 40 quarries across 18 locations. The Saint-Pons-de-Thomières quarry employs 20 staff in the quarrying/materials division and has a fleet of 8 machines. This quarry produces, distributes and sells aggregates for public works construction sites all over south-west France. It has previously supplied materials for race car tracks in France and other countries.

Specific needs

To increase its productivity, CMSE needed a new robust, high-performance machine with an operating weight in the 90 tonne range. Extracting solid rock (blue quartzite) is a demanding application requiring power and performance. As a holder of the UNICEM Cap Environment label, the company is particularly keen to reduce CO₂ emissions from its entire machine fleet. This is why the company has acquired a latest-generation excavator with low fuel consumption. The high abrasiveness of the digging material demands a specifically adapted cutting tool.



Solution

An R 992 HD generation 6.2 Litronic crawler excavator was offered to our customer to replace its main production excavator. This excavator is a perfect fit for the firm's requirements, i.e. improved performance data, best possible operator comfort, new functions for the operators and low fuel consumption. With its high force to teeth, reliability and precision, quality work is guaranteed. The machine features Bucket Fill Assist (BFA) for higher fill levels, as well as Liebherr Power Efficiency (LPE) working mode for reduced fuel consumption and improved engine performance. Equipped with a powerful 420 kW / 571 HP Liebherr Stage V V8 engine, the new generation R 992 complies with Stage V European emission standards, to protect the environment while at the same time offering the customer a reliable, high-performance production tool.

The 5.2 m³ HDV bucket has been specially adapted by the Liebherr-France SAS Design Department for loading highly abrasive digging material and using the customer's drop ball.

Team leader Thierry Mauries and machine operator Michel Lignon particularly appreciate the machine's comfort and low fuel consumption: "With the price of fuel constantly rising, the lower the fuel usage, the more attractive it is." The machine consumes less than 60 l/h on a 12 hour-day working schedule. The reliability and speed of the machine, but also the professionalism of our customer service are important purchasing criteria for the customer: "Liebherr customer service is very professional and quick." The availability of numerous customisation options for the machine, along with the quality of the services offered, convinced the client to come back to Liebherr and its distribution network for a future purchase. CMSE is our first customer in France to operate a new-generation crawler excavator in the 90 t range.





Technical data

Operating weight	94,300 kg
Engine power	420 kW / 571 HP
Emissions	Stage V

Equipment

Gooseneck boom	7.20 m
Stick	9.20 m

Bucket

HDV 2 200 mm backhoe bucket with drop ball guide rails for heavy use	5.20 m ³
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Consumption

Fuel	60 litres / hour
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