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Press Release

In the Heart of the Gravel Pit: HS 8130 HD digs with Impressive Efficiency

- Daily performance: 9,000 t of material
- Fuel consumption: 40 l per hour

Nenzing (Austria), 19 February 2019 - Whether dredging or gravel extraction, the machine has to endure high dynamic forces during this type of application. Thus, the German company Gran opted for a duty cycle crawler crane from Liebherr's HS series. With a robust steel construction, the duty cycle crawler cranes are designed for such demanding assignments.

In Stauffendorf near Deggendorf in south-eastern Germany, the company Gran is deploying a brand new HS 8130 HD in dragline operation. The machine is not only being used for gravel extraction but also for the development and recultivation of the gravel extraction site.

The HS 8130 HD has a 23-metre boom and is fitted with a Hendrix dragline bucket 7 ½ HS with a capacity of 5.7 m³. At a digging depth of 8-10 m the duty cycle crawler crane manages 450 m³ of material per hour. Depending on the duration of the shift, this results in a daily performance of 4,500 m^3 or 9,000 t. Thanks to the two high performance winches with a line pull of 2 x 350 kN, a high level of material handling is possible with the duty cycle crawler crane. Gran has the HS 8130 HD in operation four days a week in single shift operation. The machine demonstrates its high efficiency in the Eco-Silent Mode. With this function, a significant reduction in diesel consumption can be achieved without any impact on operative output. For Gran, this results in an impressive fuel consumption of only 40 l per hour with an engine speed of 1550 rpm. Furthermore, the Eco-Silent Mode reduces the noise emission of the duty cycle crawler crane.

Harmonious Concept: Higher Turnover, Lower Fuel Consumption

The company Gran was founded in 2004 and the new HS 8130 HD is already the fourth machine from the HS series in its fleet. In view of past experience, Gran is even

planning to extend its fleet with four further Liebherr duty cycle crawler cranes (2 x HS 8130 HD and 2 x HS 8100 HD). Crucial factors for this decision are the robust steel construction, the economic and quiet diesel engine and the high pull force of the winches, as well as the clear and well-arranged control panel in the operator's cab. “The complete design of the machine is very well thought out. We achieve excellent turnovers with an impressively low fuel consumption. That’s why the HS 8130 HD is the perfect machine for extracting gravel,” says the delighted owner, Andreas Gran.

Captions

liebherr-gran-hs8130hd-1.jpg
The job site of the brand new HS 8130 HD: the gravel pit in Stauffendorf, near Deggendorf, Germany.

liebherr-gran-hs8130hd-2.jpg
Gran is deploying the Liebherr machine for gravel extraction.

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