

Major duty cycle crawler crane contract for Liebherr

Nenzing (Austria), August 2015 – Liebherr secured a major contract with a Turkish customer comprising 51 HS 825 HD duty cycle crawler cranes at the end of last year. Following a successful acceptance test this spring the first 20 machines left the Liebherr factory in Nenzing for delivery.

The major order for the Turkish General Directorate of State Hydraulic Works (DSI - Devlet Su İşleri) comprises the delivery of 50 duty cycle crawler cranes plus a training unit in the second half of 2015. All HS 825 HD for this order are fitted with 1.9 m³ dragline buckets. Besides flood protection their main tasks include dredging works in rivers and lakes. This guarantees the draught that is required by ships operating in shallow waters.

The HS 825 HD is a universal duty cycle crawler crane of the 40-tonne class. Thanks to its robust construction it can be used not only for dragline buckets as for DSI, but for a great number of different applications including clamshell, diaphragm-wall grab or casing oscillator as well as straightforward lifting tasks. This wide variety ensures cost effectiveness for the crane owner.

Cost efficiency is also considered in the machine's transport dimensions. With the standard telescopic undercarriage and crawler pads of 700 mm, the HS 825 HD has a transport width of only 3 m. The maximum transport weight of 37 t without counterweight also means that the machine can be economically relocated.

The duty cycle crawler crane with an operating weight of approximately 54 t is equipped with a six cylinder 180 kW / 245 hp diesel engine. For special heavy duty tasks Liebherr offers an even more powerful engine as an option (270 kW / 367 hp). The standard equipment also includes two 16-tonne free-fall winches with maintenance free multi-disc brakes.

In order to train the operators of the duty cycle crawler cranes for their future tasks DSI has also ordered a Liebherr simulator for applications with dragline bucket. This recently presented simulator ensures state-of-the-art operator training in a realistic and

secure three-dimensional environment. Both efficiency and safety are thus increased on the jobsite.

DSI is a state agency under the Ministry of Environment and Forestry. It is responsible for the utilization of the country's water resources. This includes the registration and monitoring of all water resources with the objective of providing irrigation for agricultural areas and water supplies for major cities. In addition, DSI is also responsible for building and operating waste water treatment plants and water purification plants as well as for preventive flood control.

Captions

liebherr-duty-cycle-crawler-crane-hs825hd-dsi.jpg

The first 20 Liebherr duty cycle crawler cranes for DSI at the test stand in Nenzing.

liebherr-duty-cycle-crawler-crane-hs825hd-dsi-representatives.jpg

Representatives of Liebherr and DSI at the test stand in Nenzing.

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