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New Soilmec rig boasts greater capacity

SF-55 drill can support a 2m mast extension thanks to improvements to the rig's hydraulic cylinders

The main drivers behind Soilmec's latest product – the new SF-55 drilling rig – are increases in machine

performance, safety, simplicity and reliability.

Integral to the design has been the development of new



kinematics. Improved cylinder lifting capacity has also been achieved, through the use of a larger lever-arm with a higher connection to the mast. This has the added effect of increasing the rig and mast stability. Mechanical protection has also been fitted on the mast-raising cylinders.

The machine can extend the mast by 27m for depth, and Soilmec says a 2m mast extension has been included, as a result of the improved lifting capacity of the new hydraulic cylinders. An additional 440kg counterweight has been added to increase the max weight capacity at the front of the machine. The machine comes with an auger cleaner and a special kit for cohesive soil.

The crawler undercarriage has also been improved with an enhanced slew ring and a reinforced undercarriage body.

Under the hood, the rig has a Stage V Cummins diesel engine fitted with auto low idle control, promising fuel savings during the inactive stages, resulting in a reduction of operating costs. The hydraulic and electrical system has also been redesigned for improved ergonomics.

Inside the cab, the rig has the new Drilling Mate System (DMS 4.0) application to manage the rig. With the system, a 30cm multi-language adjustable touch-screen can be used to monitor alarms and set and store technology parameters in real time.

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