



Case Study

Offshore De-Silting, Mud Pumps

Maersk Innovator I and II, North Sea

Discflo Disc Pumps are operating in some of the toughest applications on the Maersk Innovator 1 offshore platform. Commissioned early in 2003, the pumps are installed in de-silting, mud charging and mud mixing operations.

Each pump (Discflo model 806-14-2HHD) is rated to move up to 1000 GPM with a TDH of 150 ft. The drilling fluid itself has some tough characteristics - a specific gravity of 2.0 and an estimated viscosity of 5000 cP. Unlike traditional centrifugal pumps, the Discflo Pump excels at handling viscous fluids, becoming more efficient at higher viscosities due to its unique pumping mechanism.

The Discflo Pump operates on the principle of "boundary layer - viscous drag", whereby fluid is moved through the pump due to the viscous drag between adjacent layers of fluid. With no wear rings, no close tolerances and an open, clog-free design, the Discflo Pump is an ideal choice for hard-to-reach areas and reliability-critical applications, such as offshore platforms.



Based on the success of the Innovator I pumps, Maersk ordered more units for its second platform, Innovator II. They were shipped in late 2003.

Call Discflo now to find out how our pumps can solve your problems.

The Challenge

Highly viscous fluid

Specific gravity of 2.0

Reliability-critical installation

The Discflo Solution

Discflo pump becomes more efficient at higher viscosities

No close tolerances and open clog-free design

Exceptional reliability makes pump ideal for hard-to-reach areas



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