

OIL & GAS INDUSTRY

Quick

STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	Norway
Application:	High-pressure cleaning
Media:	• Water
Model No.:	D15XDBTHFEMB
Flow Rate:	13 gpm (48 l/min)
Pressure:	Up to 2465 psi (170 bar)
Hydra-Cell Advantages:	• Seal-less design with ability to handle recycled water containing solid particles • Smooth low-pulse flow • High pressure capability • Compact design



Cleaning Mud Filters on Oil Rigs

In drilling an oil well borehole, drilling fluid (“mud”) is injected as lubricant and coolant and carrier of a harsh mix of broken rock shales and other constituents as it rises back to the surface. Before re-injection, the mud is cleaned and separated from solids, initially by shaker screens.

Cleaning these screens thoroughly without damaging them is not straightforward, but it is a critically important operation.

A Norwegian OEM specializing in this process and serving the offshore industry has developed a new, efficient cleaning system, relying on the seal-less Hydra-Cell D15 high-pressure pump for sustainable performance under difficult conditions.

Characteristics of Fluid Pumped:

☒ Contains Abrasives ☐ Corrosive ☒ Solids in Suspension ☐ High-temp. (>158°F/70°C) ☐ Non-lubricating ☐ High-viscosity (>500 cPs)