LOBEPRO

ROTARY PUMPS

Application Report

Oily Water Sump Transfer and Screen Backwash Pumping

Equipment:

Two API 676 compliant with exceptions LobePro SL133 pump systems, four API 676 compliant with exceptions LobePro SM68 pump systems and one API 676 compliant with exceptions LobePro CL133 stainless steel pump system

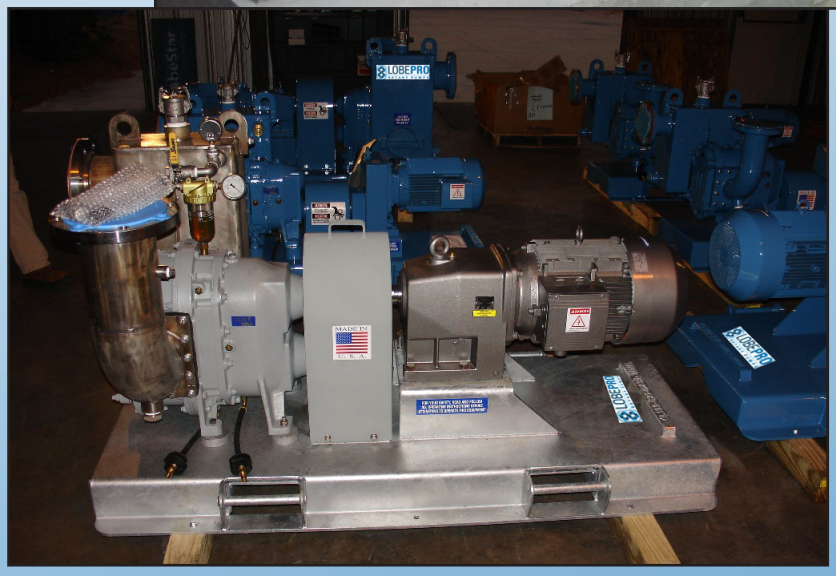
Job Description:

The LobePro SL133 and SM68 pumps were used for an oily water sump transfer application. Rotary lobe pumps work well for oily water sump transfer applications because of the following reasons.

The pumps are self-priming and have a suction lift of up to 25 ft. which allows the pump to be mounted at the top of the sump for easy servicing and prolong life. The pumps have a low shear, which leads to less emulsficiaton and easier later separation.

Rotary lobe pumps are also able to pump viscous fluids and fine abrasives because of their positive displacement design. The pumps also are able to run at a slow speed, use rubber coated lobes and hardened metals to reduce their sensitivity to abrasives.

The LobePro CL133 stainless steel pump was used for screen backwash pumping using brackish or sea water for process cooling. Rotary lobe pumps work well for screen backwash puming applications because of the following reasons. The pumps are able to run at a high pressure which allows the pump to pump through long piping runs in the plant. The pumps are also able to run forward or reverse which an advantage in the backwashing process.



Rotary lobe pumps can also handle corrosive materials and fine abrasives. Stainless steel pumps are available to increase the pumps resistance to corrosive material. The pumps also are able to run at a slow speed, use rubber coated lobes and hardened metals to reduce their sensitivity to abrasives.

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