



KelairPumps

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CASE STUDY

Viking pumps skim through process

Sales Engineer Hem Prakash (QLD)

Process Group is a leading supplier of gas and water treatment packaged process systems to the oil and gas industry throughout Australia, Asia, and the Middle East.

One of their waste-water treatment systems, used to remove oil from water is Induced Gas Flotation (IGF). In this system produced water flows through the unit tank where the multiphase IGF recycle pumps induce gas into the recycle stream and generate micro bubbles, which is injected back into the IGF vessel. The micro bubbles adhere to the oil and carry it to the water's surface, where it is skimmed off and recovered.

For such an IGF treatment package installed in Western Australia, Kelair supplied Viking KK-4124A universal seal pumps complete with motors and base plate, for recovered oil transfer back to the process.

Process Group's chemical engineer, Jim Cran said, "Initially, we were considering helical rotor pumps, but Kelair's sales' engineer, Hem Prakash suggested using Viking internal Gear pumps which were lower capital cost and much easier to maintain than the helical rotor-type pump in this particular application."

During the pre-commissioning, one the Viking pumps seized due to solids entering the pump from the piping. Kelair's service team was able to promptly repair and service the pump from stock spare parts in a quick turn-around so that the commissioning could proceed on schedule.

