



ENVIRONMENTAL TECHNOLOGY

Lip seal upgrade for US petrochemical plant

A petrochemical plant in the USA was experiencing problems with oil leaking from the vertical input shafts of its pumps and called on AESSEAL® to help out with a solution.

The pumps at the plant operate at 3,600 rpm with a forced oil lubrication arrangement to lubricate the pump bearings. Under such operating conditions the 1.500” diameter lip seals were allowing oil to escape from the bearing chamber and drip/run under gravity to the surrounding workspace.

In April 2007, AESSEAL® replaced the lip seals with standard-plus MagTecta-OM designs, which had the MagTecta seal housing configured to suit the pump to avoid pump modifications.

The MagTecta-OM is a face seal that has been designed specifically to prevent oil mist pollution and has been successfully installed in thousands of pieces of equipment in the hydrocarbon industry. To date, the seal has been a huge success, saving oil consumption and cleanup costs, and improving the health and safety of plant operators working in the area.

“Health and safety improvements for plant operators”

Industry:	Oil & Gas
Product:	MagTecta
Application:	Forced oil lubrication
Country:	USA
Reference no:	3415



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