



ENVIRONMENTAL TECHNOLOGY

Reliability upgrade eliminates unscheduled downtime

An oil refinery in the US was experiencing excessive seal failures with some even leaking straight from start-up. After some frustrations with their existing vendor not being able to solve the issue, the refinery turned to AVT Sealing Solutions to advise and supply.

Working closely with the refinery, AVT Sealing Solutions was able to quickly understand the issues and tailor the products specifically to the CPC boiler feed pump application. They opted for the HPVS seal which has hydro pads and although these are designed to leak, it amounts to significantly less than was the case with the previous arrangement.

This upgrade has stopped the ice hazards it was creating in the winter months and has also eliminated the downtime needed in order to facilitate premature pump change-outs. The seal mean time between failure was a maximum of six months but with the new arrangement is now up to four years and counting.

The refinery has since installed a further two AESSEAL HPVS seals which are operating well and as expected.



Before



After

'Reliability improvement'

Industry:	Oil & Gas
Product:	HPVS
Application:	CPC Boiler Feed
MTBF Increase:	4 years and counting
Reference N.O:	CS0027

