



ENVIRONMENTAL TECHNOLOGY

Seal upgrade improves reliability and saves over US\$81k

A major oil and gas customer in Oman was experiencing continuous leakage from the gland packing used on their export booster pumps.

The packing was adjusted every two weeks and replaced every eight to 12 weeks in order to minimise leakage. In addition to the loss of valuable product, the leakage was also a health and safety concern. In addition the shaft sleeve and bearings also needed to be replaced every six to 12 months. The customer approached AESSEAL® for a more reliable solution.

AESSEAL® recommended replacing the gland packing with a CAPI-TXS™ single seal as the unique design could be fitted without modifying the pump (it is estimated that the pump was over 30 years old). The new seal was installed in March 2019 and has operated without issue since that time. The mean time between failure (MTBF) has increased to 3 years (and is still improving). Four pumps have now been upgraded with an additional two planned, and the customer has saved US\$81,450 to date. Additionally, maintenance requirements and the environmental impact of these pumps have been reduced.



‘1470% MTBF increase and counting’

Industry:	Oil & Gas
Product:	CAPI-TXS™
Application:	Export booster pump
MTBF Increase:	1470% (and counting)
Savings:	US\$81,450
Reference N.O:	CS0116



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