



AESSEAL® product stops hot oil pump leakage

A large oil and gas company in north Africa contacted AESSEAL® to look at a sealing issue on its hot oil pumps.

Each pump had two seals fed from only one unpressurized cool pot system. The high process temperature, poor cooling capabilities and insufficient lubrication were causing coking and oil leaks on average every two months.

AESSEAL® recommended the installation of its CAPI™ C dual seal and FDU™ Fluid Distribution Unit. This double mechanical seal, with metal bellows, is designed for optimum performance in high temperature applications. Fully API 682 compliant, the CAPI™ C dual seal is a double cartridge internally-balanced seal for use in oil and gas industry equipment.

The AESSEAL® API Type dual-seal range offers users an unprecedented choice of API engineered sealing solutions to suit all application requirements. Its modular design allows users to select the right solution for their application.

The FDU™ system provides higher flowrate, better heat dissipation and pressurized barrier fluid circulation. The product installed in north Africa is fitted with a cooler to counteract the high ambient temperature at the site, which can reach 60°C. The system has been in operation for the last two years and is still running, raising the Mean Time Between Failure (MTBF) from two months to 24 months and counting.



before



after

‘MTBF increased from 2 months to > 24 months’

Industry:	Oil & Gas
Product:	CAPI™ C and FDU™
Application:	Hot Oil Pumps (250°C)
MTBF Increase:	1,100% (and counting)
Reference N.O:	TD3091776

