



ENVIRONMENTAL TECHNOLOGY

MTBF increases by 233%

Seadrift Coke L.P., a Texas based stand-alone coker, was experiencing repeat seal failures on a hot oil pump, leading to unscheduled downtime every six months.

The large size of the pump meant maintenance work was challenging and expensive. Hot oil leakages onto the pump pad also meant operatives had to carry out regular clean-ups, raising health and safety concerns.

AESSEAL® suggested replacing the inefficient competitor seal with an AESSEAL® BSFG™ (bellows single full graphite) cartridge seal, with a Plan 32 350° clean oil flush support system.

The BSFG™ seal was recommended as it features graphite rings at every primary surface, eliminating the need for elastomers, and is particularly suited to high temperature applications. Quench, flush and drain ports for cooling or heating options help to maximize seal life.

The cartridge design of the BSFG™ also made installation quick and simple.

The AESSEAL® solution raised the mean time between failure (MTBF) of the seal from six months to 20 months, an increase of more than 233%. Reduced downtime led to lower maintenance costs, and the elimination of oil leaks onto the pump pad improved workforce safety.

Seadrift Coke's Maintenance Manager, Pete Gray, said: "Since the installation of the AESSEAL® solution we have seen ease of seal installation and longer run times."

'Ease of seal installation and longer run times'

Industry:	Refining
Product:	BSFG™
Application:	Hot oil pump
MTBF Increase:	233% (and counting)
Country:	USA
Reference N.O:	CS0007



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