AESSEAL®
ENVIRONMENTAL TECHNOLOGY

Reliability upgrade reduces seal repair costs

Carbon Free (https://carbonfree.cc/) are a chemical company who are developing patented technologies that capture CO_2 from stationary point emitters and transform them into carbon negative chemicals.

Carbon Free were using a competitors seals on a water/chlorine mixture on a vacuum compressor along with an API Plan 53A seal support system. The pump required 2 seals and were experiencing a mean time between failure (MTBF) of 8 months. Due to the location where the compressor was installed and the cost to remove the compressor to the repair shop, the customer was looking for a more reliable solution and approached AESSEAL® for assistance.

AESSEAL® recommended replacing the seals with the DMSF™ double monolithic stationary flow seal. The DMSF™ is specifically designed for arduous applications, includes a reliable face drive mechanism, optimised deign to minimise outboard heat generation, double hydraulically balanced and a bi-directional pumping ring to deliver high volumes of barrier fluid to the inboard and outboard seal faces. The new seals were installed in January 2019 and the MTBF improved to 18 to 24 months, saving the customer over $12,000 in seals alone.

"Using AES seals has reduced our seal failures and lowered our seal repair cost"

Dave Wyckoff, Maintenance Supervisor

'$12k Saving'

Industry:	Chemical
Product:	DMSF
Application:	Vacuum Compressor
MTBF Increase:	125% (and counting)
Savings:	$12,000
Reference N.O:	07042021-DHCF01