



DMSF™ seal the answer for US company

An oil seed producer in the US was reporting that in spite of trying a variety of possible solutions, single seals in the production process were only lasting a few months before failing.

One problem was that the process involved very high temperatures. In addition, clay-like particles would build up in the seal chamber area, restricting flow. The result was the regular failure of the seals, requiring their replacement every few months. This involved long and expensive downtime, and high maintenance costs, in addition to the cost of the replacement seals.

AESSEAL® engineers were able to convince the company that a single seal was not the ideal solution for such intense operating conditions. They recommended the installation of the AESSEAL® DMSF™ seal, which is specifically designed for arduous applications.

Since the installation of these double seals in May 2021 there have been no further failures, and six more pumps equipped only with single seals are now in line for conversion. The MTBF has improved from between two and eight months to four years, and there have been savings of an estimated \$12,000 in replacement seals, labour costs, and downtime.

There have also been significant safety benefits, since the process temperature is close to 280 degrees Fahrenheit, and leakage from defective seals was causing a potential risk of injury to employees in the vicinity.



‘Reliability improved from 2-8 months to 4 years’

Industry:	Bio-ethanol
Product:	DMSF™
Application:	Oil seed production
MTBF Increase:	860%
Savings:	\$12,000
Reference N.O:	TD3095464

