



AESSEAL® product ends emissions penalties for Polish company

A Polish Petrochemical Company was paying heavy fines resulting from the escape of harmful solvents into the atmosphere.

The gland packing being used by the company was unable to cope with the large axial clearance (5 mm) and radial movement (3mm) of the screw shaft. Constant adjustments were proving ineffective, and the company turned to AESSEAL® in search of a possible solution.

AESSEAL® engineers suggested replacing the gland packing with a 90mm ES dual pusher seal working with API Plan 53A, which is specifically designed to cope with 8mm axial clearance and 3,5mm shaft runout tolerances. Working closely with the company, AESSEAL® completed the installation in March 2024, and the seal has now been working effectively for more than a year, preventing further emissions and eliminating the need for constant adjustments.

The result is that the MTBF has been increased from just three months to more than 12 months, preventing further financial penalties, and saving the company around \$130,000 in the process.



‘Reliability increased from 3 months to >1 year’

Industry:	Petrochemical
Product:	ES Dual Pusher Seal
Application:	Screw Feeder
MTBF Increase:	300% (and counting)
Savings:	\$130,000 / €115,000 per year
Reference N.O:	TD3121895



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