



ENVIRONMENTAL TECHNOLOGY

Pump failures halted by use of DMSF™

A major European car company was experiencing serious reliability problems with the pumps at its plant in north-western Spain.

The pumps were running with an ultrafilter fluid film in an API 54 ring. The problem was that the mechanical seals were failing after less than two weeks, causing the pumps to leak paint and requiring them to be shut down while engineers carried out the necessary repairs.

After unsuccessfully trying to solve the problem by using an alternative seal supplier, the company turned to AESSEAL® in search of a possible solution. AESSEAL® recommended the installation of its DMSF™ double cartridge mechanical seals with an SW02™ water management system.

The AESSEAL® DMSF™ range has been designed as a high-performance sealing solution for arduous applications. It is the result of over three years extensive evaluation and development and is believed to be the most technologically advanced mechanical seal in its class. It is designed to withstand barrier and process pressure fluctuations, and its reliability means that it has a proven record of reducing plant downtime and maintenance costs.

The system has now been working for more than three years, and is saving the company an estimated €44,000 a year. As a result of its success, the company has now appointed AESSEAL® as its sole seal supplier.



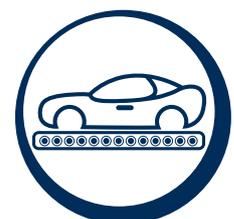
before



after

‘Reliability increased from <2 weeks to >3 years’

Industry:	Automotive
Product:	DMSF™ and SW02™
Application:	Paint pumps
MTBF Increase:	7,700% (and counting)
Savings:	€44,000 per year
Reference N.O:	TD3103807



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