ENVIRONMENTAL TECHNOLOGY

DMSF™ seal the answer at South African plant

The installation of the AESSEAL® DMSF™ seal and SW2 water management system at the Ford plant in Pretoria, South Africa, has improved the MTBF of a crucial seal from less than two weeks to more than two years.

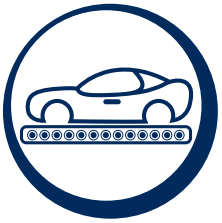
The seal is a critical component of the plant's E-coat application. The DMSF™ replaced a competitor's seal, which was unable to maintain the required level of cooling, and which was failing on average after less than two weeks. E-coat being a derivative of paint, solidification occurred when the temperature rose above 39 degrees centigrade, which was enough to break the faces of the competitor's seal. The result was repeated unplanned downtime and costly lost production.

The DMSF™ seal and SW2 water management system was installed in April 2022, and is still working without a problem after more than two and a half years. The AESSEAL® DMSF™ range of double cartridge mechanical seals is designed as a high performance sealing solution for difficult applications. The current range is the result of over three years evaluation and development, and AESSEAL® believes that it is now the most technologically advanced mechanical seal in its class. The DMSF™ design extend the range of applications that can be sealed by AESSEAL® products, and its features include world-leading barrier fluid pumping and seal face cooling.

In the case of Ford's Pretoria plant, AESSEAL® engineers changed out the mechanical seal face combination from silicone to tungsten, as being better suited to the stop-start application.

'Reliability increased from <2 weeks to >2.5 years'

Industry:	Automotive
Product:	DMSF™
Application:	E-Coat
MTBF Increase:	1500% (and counting)
Reference N.O:	TD3107948



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