



ENVIRONMENTAL TECHNOLOGY

## **CURC™ seal saves thousands for US company**

The installation of an AESSEAL® CURC™ single mechanical seal has helped a South Carolina engineering company solve the problem of repeated seal failures.

The new CURC™ seal was installed in October 2024, and after more than one and a half years, is continuing to operate without a problem, improving the MTBF from one month to more than 18 months, and saving an estimated US\$15-20,000 dollars per year in the process. The continuous flush over hard faces has kept the seal clean and working reliably for long periods. In addition the barrier fluid tank has been removed, ending the continuous labor-intensive job of cleaning the contaminated tank, and simplifying the process of installation and maintenance.

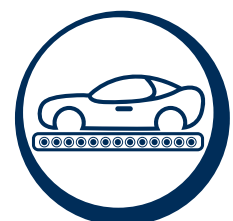
The new system has also contributed to improved health and safety by putting an end to the leakage of hazardous product into the working environment.

The CURC™ single seal is a high-performance, single mechanical cartridge seal designed for pumps, using silicon carbide (SiC) faces with self-aligning technology to prevent cracking during startup. It is often used with quenching for temperature control or product protection in demanding industrial applications. Its cartridge design means that it operates as a self-contained unit, simplifying installation and maintenance. Its Silicon Carbide (SiC) faces provide hardness, chemical resistance, and heat dissipation.



**‘Reliability increased from <2 months to >18 months’**

Industry:	Automotive
Product:	CURC™
Application:	Ecoat process
MTBF Increase:	1,700% (and counting)
Savings:	\$15-20,000 per year
Reference N.O:	TD3134054



[aes seal.com/info](https://aes seal.com/info)