



ENVIRONMENTAL TECHNOLOGY

Bitumen pump upgrade saves over £23,000 a year

A bitumen pump that produces tarmac for road surfaces was gland packed and losing over 15 tonnes of bitumen before the packing was replaced every 6 months.

The pump runs all day every day and the constant leakage was resulting in a yearly cost over £23,000 with maintenance, lost product and clean-up costs. The constant product leakage was also proving to be a health and safety issue with hot bitumen leaking into walkways and drains.

AESSEAL® installed a BSFG bellows seal, which features graphite rings at every primary sealing surface, eliminating the need for elastomers, so is capable of withstanding higher temperatures. Furthermore rather than installing a seal support system to flush the seals with steam the current heat tracing capabilities of the pump were used to prevent coking on the seal faces and to reduce costs.

The seal has been successfully installed for over 6 months and the breakeven point was achieved after 5 weeks. The success of the installation has seen a further BSFG seal ordered to upgrade the other bitumen pump on site.



‘Packing upgrade breaks even after 5 weeks’

Industry:	General Engineering
Product:	BSFG
Savings:	£23,000 and counting
Break Even Point:	5 weeks
Reference N.O:	CH01410



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