



Bitumen pump upgrade saves over £23,000 a year

A bitumen pump that produces asphalt 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 AESSEAL® BSFG™ bellows seal worked flawlessly for over 3 years until the pump was removed for repair. Upon inspection, the seal showed no signs of wear and was still in excellent condition. Breakeven point was achieved after 5 weeks and 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™
Application:	Richter Pump
MTBF Increase:	>500%
Savings:	>£69,000
Break Even Point:	5 weeks
Reference N.O:	CH01410

