



ENVIRONMENTAL TECHNOLOGY

HDDSS™ brings savings for Australian mining company

The installation of an AESSEAL® HDDSS™ heavy duty slurry seal and support system has resulted in major cost savings for a western Australian mining company.

The gland packing previously in use was failing every four to six weeks, while excessive wear on the pump sleeves meant that they had to be replaced three or four times a year. This resulted in high maintenance costs and frequent pump downtime. There were also concerns about health and safety due to flushing water and the leakage of product into the work area.

To remedy the problem, AESSEAL® recommended the use of its HDDSS™ heavy-duty double slurry seal with the SW02™ water management system. The HDDSS™ is designed to cope with the highly demanding conditions of the mining industry, and its toughness and reliability are a guarantee of savings in downtime and the cost of maintenance.

The system was installed in June 2014 and as well as preventing any further leakage of product, it brought about a massive reduction in water consumption - saving twenty million litres each year. Its greater reliability led to an increase in the MTBF from less than six weeks to more than two years. The savings in the labor costs and maintenance involved in repacking the pump and replacing the sleeves meant that the return on investment was achieved in less than 90 days.

before



after



‘Reliability increased from <6 weeks to >2 years’

Industry:	Mining
Product:	HDDSS™ & SW02™
Application:	Slurry pump
MTBF Increase:	>1633%
Water Savings:	20 Million litres per year
Reference N.O:	TD3141698



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