AESSEAL®
ENVIRONMENTAL TECHNOLOGY

Replacing gland packing reduces cost, and improves reliability

A coal mine in Australia was using gland packing on 3 coal slurry transfer pumps. The gland packing would start to fail after 6 weeks and the yearly maintenance bill for the 3 pumps was over $135,000AUD.

Once the gland packing started to fail it would slowly cause the pump pit to flood, requiring the pumps to be overhauled every 6 – 7 months. The leaking water was also causing bearing failures. Due to the leaking packing they had to rebuild the bearing barrel and change out the stuffing box, sleeve, gland follower packing and lantern ring, which all contributed to a yearly maintenance bill over $135,000AUD.

AESSEAL® replaced the original gland packing on all three pumps with HDDSS™ heavy duty double slurry seals along with W2™ water management systems operating in API Plan 53 configurations. The new seals have eliminated the leakage problems and have increased the mean time between failures to more than 1650%. After paying back the initial upgrade costs, the new seals have saved over $53,000AUD in the first year of operation and are currently saving over $130,000AUD per year from the maintenance budget alone.

The seals run for over 24 months without failure or leakage. They get changed out for repair whenever the pumps get rebuilt which is about every 24 months.

“Over 24 months without failure or leakage”

Industry:	Mining
Product:	HDDSS & SW2 Water Management System
Application:	Coal Slurry Transfer
MTBF Increase:	>1650%
Reference N.O:	CH00704 - CH00706