



Replacing lip seals reduces cost, improves reliability and saves the environment

A soda ash mine in the USA was using lip seals on a vertical turbine pump in the top discharge bowl to seal the oil lube tube on the pump line shaft.

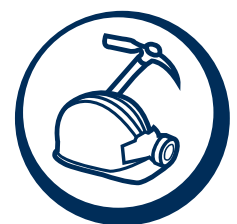
The pumps are in a remote location, so receive infrequent maintenance. The lip seals were failing approximately every 3 – 4 weeks causing a loss of bearing lubrication, 2 to 3 pump shaft failures every year, and bearing oil was contaminating the nearby river.

AESSEAL® replaced the original lip seals with MO10 and SO70 component seals with Tungsten Carbide seal faces. This has eliminated leakage from the oil reservoir and improved the reliability of the pump.

As a result of the success of this upgrade the plant has installed an identical system on another pump, and estimate that the upgrade has saved \$50,000 per pump per year, whilst eliminating oil leakage into the river.

“\$100,000 per year saving and reducing unscheduled maintenance”

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| Industry: | Mining |
| Product: | MO10 & SO70 Component Seal |
| Application: | Plant Utility Water Supply Pump |
| Savings: | \$100,000 per year |
| Reference N.O: | CH00088 |



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