



ENVIRONMENTAL TECHNOLOGY

LabTecta® reduces repair costs for Portuguese mining company

The installation of LabTecta® bearing protectors for a Warman AH dewatering pump helped to solve a persistent problem for a Portuguese mining company.

The harsh nature of the environment meant that the bearing assembly was being brought to the workshop for repairs every few months. The main problem was that the pump was installed deep underground near a sump, and the high level of humidity was causing contamination of the bearings.

Bearing contamination has been found to be responsible for around 20% of rotating equipment failures, mainly as a result of contamination of the bearing oil when water or particulates find their way into the bearing chamber. The LabTecta® bearing protectors ensure that contaminants are kept out of the bearing oil even in the most arduous environments. In addition the protectors are non-contacting in operation, removing the risk of damage to expensive rotating equipment.

Until AESSEAL® suggested the LabTecta® as a possible solution, the company had not been aware of the product. The protectors were installed in August 2021, and apart from routine maintenance carried out in 2023, have been working effectively ever since, increasing the MTBF from a little over two months to more than two years. The decision to install the LabTecta® protectors has saved the company an estimated €8,000 a year in repair and maintenance costs and unplanned downtime, and there are now plans by the company to fit the product to a number of other bearing assemblies



‘Reliability increased from 2 months to >2 years’

Industry:	Mining
Product:	LabTecta®
Application:	Dewatering pumps
MTBF Increase:	1,100% (and counting)
Savings:	€8,000 each year
Reference N.O:	TD3111049



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