



### EcolInnovation - manufacturer of 'Powerspout' micro turbines improves reliability with GreaseMax

GreaseMax lubricators are used in a great variety of applications.

EcolInnovation is a New Zealand company manufacturing innovative water-driven turbines for the micro-generation power market. Their 'Powerspout' turbines are sold around the world.

EcolInnovation supply Powerspout turbines with a GreaseMax 12 month lubricator installed, plus 2 spares. Trials proved that GreaseMax lubrication eliminated the bearing failures that were causing warranty problems. EcolInnovation were also able to offer a 3 year product warranty.

The design of the Powerspout means that the bearings operate in both wet and humid conditions. GreaseMax continuous lubrication was found by EcolInnovation to provide better bearing longevity and reliability than sealed bearings.



The limit for the absolute water content in mineral oil - the lubrication component of most greases - above which problems will occur is 200 ppm.<sup>[2]</sup> Water contamination higher than this will cause a number of lubrication problems and failures of the grease's lubrication and protection properties. This limit can be reached quite easily in wet or humid conditions.

[2] Machinery Lubrication, Karl & Botts

**GreaseMax® continuous automatic lubrication**

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