

## CASE STUDY



Aerator gearboxes working under full load



Large Aerator Paddles place huge pressure on gearboxes, motors and lubricant.

Type of Business:	Sewerage Treatment Plant
City	Toowoomba
Country	Australia
Sales Rep / Marketing Manager	Chris McCarthy/Chris Nixon

### Problem: OIL CONTAMINATION AND EXCESSIVE OIL CHANGES IN AERATION POND GEAR BOXES.

The gear boxes drive 2 sets of large steel paddles to aerate the waste material accelerating the biological breakdown of the liquid waste.
Aeration pond gearboxes were experiencing accelerated oil deterioration from waste water contamination. This prompted regular costly and time consuming oil change outs to minimize potential gear box bearing failures.
Certop gear oil, System Purge and the use of Oil Analysis have extended oil change intervals from 3 months to over 4 years.
After a trouble free 40,000 hours in service. Independent oil analysis results showed Certop Gear Oil was still in "A" condition.
After 46 months of continuous running, estimated savings of over \$51,000 over this time have been realised. [Based on original 3 month oil change intervals over 46 months, 17 gearboxes with an average \$200 per gearbox oil change cost including waste oil disposal, labour, oil costs, and oil change downtime costs].

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