DERAGGER





DERAGGER TRIAL REPORT

Summary Points - October 2018

Over-whelming evidence from pilot sites that DERAGGER® kept station wells clean, without the need for manual lifting and cleaning.



DERAGGER® GENERATED PUMP EFFICIENCIES:

Compared to pumps being regularly lifted / cleaned:

5% to 20.6%



Compared to pumps NOT being lifted / cleaned:

Up to 80%





DERAGGER® ENERGY SAVINGS ON THREE PILOT SITES NOT CONSIDERED TO SUFFER FROM RAGGING:







RUN TIMES REDUCTION (one site example):



167 mins 🛇 🔾

with DERAGGER activated

EXISTING USER QUOTES (270 SITES COMBINED HISTORY):



"100% reduction in blockages. 10% to 15% energy reduction" "At least 90% reduction in blockages" "Dramatic reductions"

REPORT FURTHER CONCLUDED:

- Substantial inefficiencies exist in waste water network as a result of pumps running in a ragged condition which the **DERAGGER®** could resolve.
- These pumps do not always trip or raise an alarm, resulting in these inefficiencies not being addressed. **If installed, the DERAGGER®** can achieve energy savings in these instances.
- There is no evidence that the DERAGGER® reversal process damages pumps.
- By addressing the inefficiencies that exist due to ragging, it is highly likely that extensions in asset life will be achieved in proportion to the efficiencies gained in pump run times and energy consumption.