

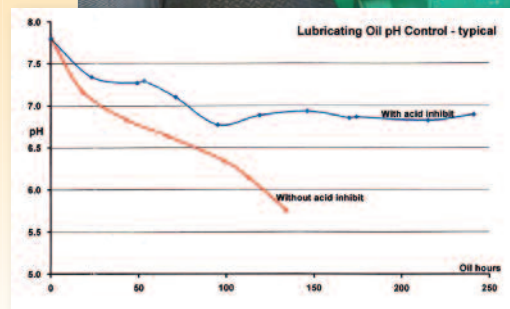
Gas Data Biogas Oil System

BOS

Biogas from landfill, sewage and other bio-materials suffers from variable quality of gas production. Very often, elevated levels of H₂S mean degraded lube oils, shorter maintenance intervals and increased overall operating costs. Conventional solutions rely on scrubbing 100% of the incoming gas, with high capital and running costs for the scrubbers.

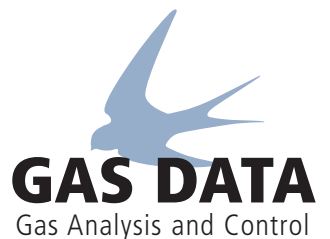
BOS is a new patent protected solution developed by engineers from Aquafuel Research Ltd and Gas Data Ltd. After extensive field trials it has been shown to deliver cost effective protection to lube oils in gas engines. It works by treating only the vital 5% of gas which enters the crankcase and does so for less than 1/10 of the capital and running cost of conventional scrubbing systems.

Operating within the terms of an exclusive licence granted by Aquafuel Research Ltd to Gas Data Ltd **BOS** senses and remotely monitors the H₂S levels in the incoming gas and automatically adapts its dosing to match. This means no waste of consumables through fixed rate over-dosing and no lube oil degradation.



2008/2009 Trial

- 3000 hours run
- Deutz 620B 16 cylinder 1,250kWe si engines
- Biogas with over 28,000 mg/Nm³ H₂S
- Independent study by Diesel Consult Ltd*
- Lube oil life almost doubled
- No detrimental effect on engines or components
- 39% Cost savings (Oil consumption and downtime reductions)
- Full report available on request from Gas Data Ltd



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Other products available from Gas Data



GFM100 Series - Single and multiple channel analyser



GFM200 Stowaway detection



GFM416 Biogas analyser



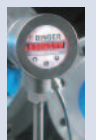
GFM435 Ultimate landfill analyser



GFM600 Pressure and flow



Click! System Fixed site monitoring



Combimass Gas flow Monitoring