

Savings analysis report

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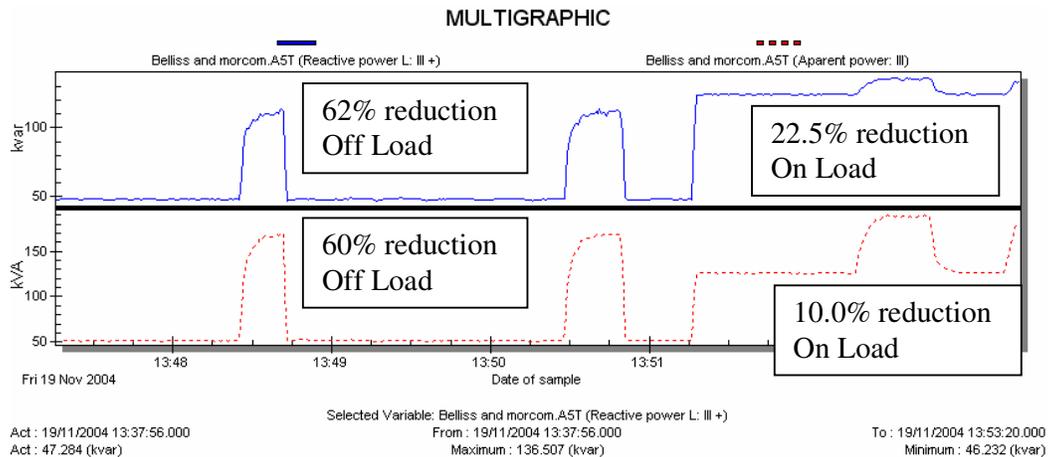
Somar Representative: John Lee Design/Development Engineer

Company name: SW Trading

Type of application: Air Compressor

Machine: Belliss and Morcom

Instrument: AR5 3 phase network analyser Circutor/ Ideal System



Description of operation and comments:

This air compressor provides the compressed air necessary to operate all the pneumatic equipment within the factory. A combined effect of Kva and Kvar reduction will have a significant effect on the generators.

Not only will it reduce fuel consumption. It will improve the transfer on energy and put less strain on the generators. The generator will have to deliver less current

There is ;

62% drop in Kvar

A drop in Kvar will reduce the heat within a motor and make it last longer, a study by the British standards authority has proved that a drop in 10 deg will double a motors life. Also if there is power factor correction in the system, there is a hidden saving in that the PFC correction will not have to deliver as much corrective current to correct the power factor.

60% drop in KVA

John Lee
Design/Development engineer
Somar International

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