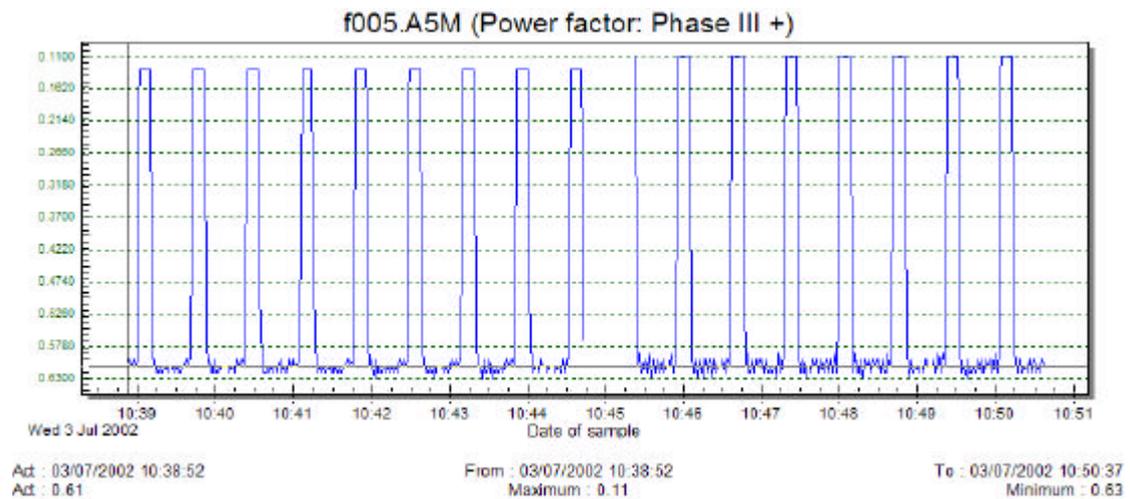


Savings analysis report

Distributor: Daniel Wong
Company name: Westec Ltd
Email Address: Reports@somar.co.uk
Location: Hong Kong ,China
Type of application: Hydraulic Glass Polisher
Motor Size:90 Kw
Circutor file name:F005.a5t
Special Application: n/a

Duty cycle analysis

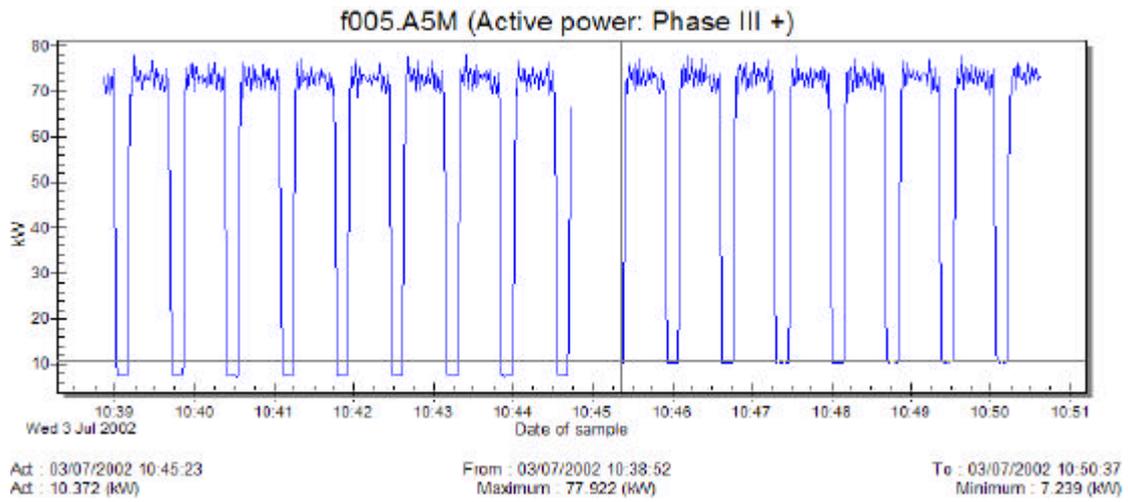


Duty cycle: 35% off load
65% on load

Description of operation and comments:

The hydraulic polisher, polisher's television screens for assembly

Kw savings analysis



Instantaneous measurements time: Without optimisation 10:45:23
With optimisation 10:39:44

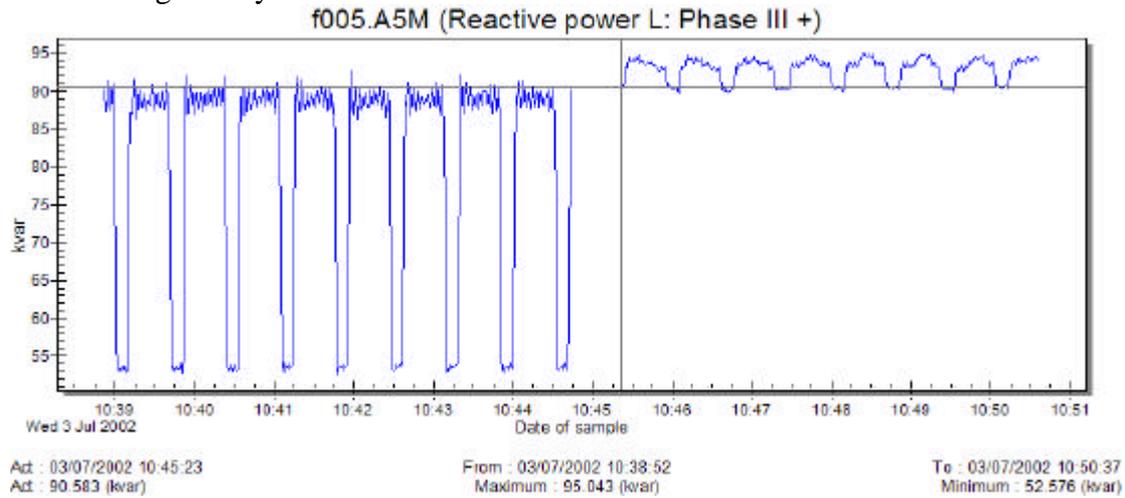
Off load

Kw before	Kw after	Saving in KW
10.372	7.46	28.08

Advantages of Kw savings

- Saves money

Kvar Savings Analysis



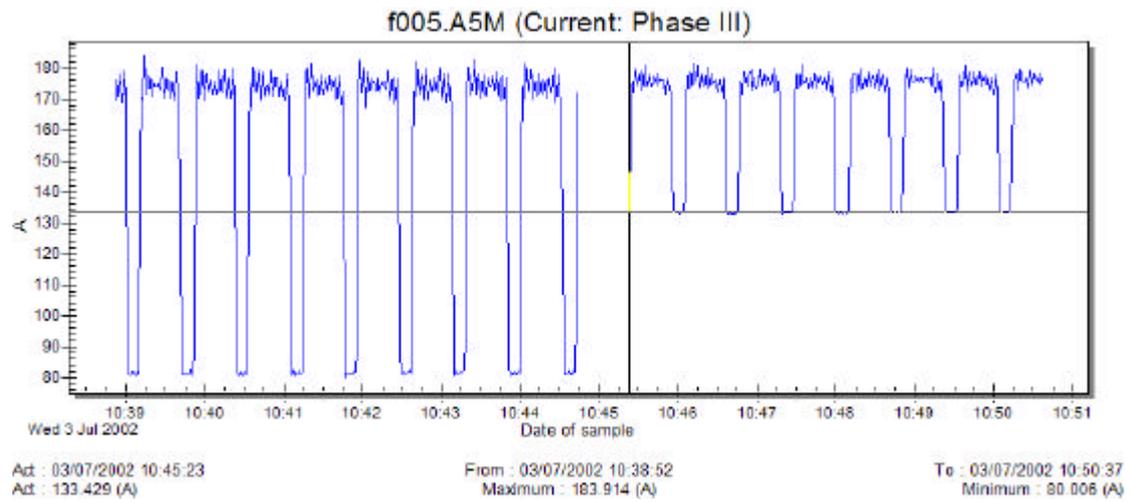
Instantaneous measurements time: Without optimisation 10:45:23
With optimisation 10:39:44

KvarL before	KvarL After	Saving in Kvar
90.278	53.371	40.88

Advantages of Kvar savings:

- Less heat generated in motor.
- Motor runs more efficiently.
- Assists power factor correction in the amount of capacitive current needed to correct system Pf .
- Allows more machinery to be installed before system PFC needs to be upgraded.

Kva analysis:



Current before	Current After	Current Saving %
133.046	80.965	39.15

Advantages of Kva savings:

- Less current flowing through motor, cables, fuses and overload will have an affect on components life and maintenance.
- Less current drawn from the supply means less strain on supply.
- Generators will have to produce less Kva and thus perform better.
- Less Kva produced on a generator will have a direct impact on fuel consumption.