

WHY USE A LOADBANK?

Over time, lightly loaded generator sets develop wet-stacking and carbon build-up in the combustion chambers and exhaust system. The use of a Loadbank helps prevent this and determines the generator's capability to produce maximum output in terms of amperage and horsepower, impacts of low load running potentially include:

- Increased Lube Oil Consumption
- Poor Engine Performance
- Increased Fuel Consumption
- Crankcase Pressurisation

Resistive Only

- kW Rating (Unity p.f)
- Tests the Engine

Resistive /Reactive

- kVA Rating (Typically 0.8 p.f)
- Tests the Engine and the Alternator

For engine only exercising and general engine maintenance a Resistive Only Loadbank is ideal for clearing carbon build-up in the engine, it is the most common and cost effective option for preventative maintenance.

To test the Engine and Alternator typically at 0.8 power factor a Resistive / Reactive Loadbank can simulate a building load, it should be used if the Generator is being paralleled with a utility but can also be used for preventative maintenance. Whilst a more costly option it gives a more accurate indication of the overall generators health and performance.

Benefits of Loadbank Testing

- Peace of mind – will the generator work when needed
- Regular load testing can increase the life and reliability of a generator
- Proves performance of the generator (Resistive / Reactive required for 0.8pf)
- Aids commissioning of generators for utility paralleling applications (Resistive / Reactive)
- Safe replication of emergency situations for new systems
- Demonstrate engine output for overhauled engines



It is beneficial to have finite control of your equipment which our controllers can offer:

KCS



The Crestchic KCS100 controller will allow load to be applied in increments from 1kW to 100% of generators rated load using thumbwheel selectors, a simple and straight forward controller this is ideally suited for generator maintenance applications.

HHT 100



Our enhanced Micro-processor based Eclipse control system comes with a greater level of control and flexibility, which can be combined with our PC Software package to offer data capture of transients during a generator test.

HOW CAN RENTING A LOADBANK BENEFIT YOUR BUSINESS?

A loadbank can benefit your business in a number of ways:

- Ability to PDI your generators when they arrive
- Bespoke loadbank solutions designed to meet your exacting requirements
- Witness testing generators at your premises
- Provide loadbank(s) for customer site tests
- Preventative maintenance running for generator rental applications
- Become a natural partner for your clients testing requirements

Additional services could include:

- Secure an additional revenue by re-hiring out a Loadbank
- Maximising customer potential i.e. generator supply, installation, commissioning and long term maintenance provider with Loadbank testing
- Enhanced service revenue



About Crestchic

For in excess of 30 years we have been designing and manufacturing Loadbanks that provide accurate, reliable electrical test loads for land based and marine applications, this is further complimented by a range of packaged transformers.

From our Headquarters in the UK we manufacture, sell and hire our Loadbanks globally.

For further information contact your local office:



Crestchic Limited
Second Avenue,
Centrum 100
Burton-on-Trent,
DE14 2WF
United Kingdom
Tel +44 (0) 1283 531645
Fax +44 (0) 1283 510103
sales@crestchic.co.uk
hires@crestchic.co.uk
www.crestchic.co.uk



Crestchic Limited
Southern (Rental) Office
Rochester Airport Industrial Estate,
Laker Road,
Rochester
Kent, ME1 3QX
United Kingdom
Tel: +44 (0) 1634 864 064
Fax: +44 (0) 1634 864 063
southern@crestchic.co.uk
www.crestchic.co.uk

The information given in this literature is, to the best of our knowledge, correct at the time of going to print. However, Crestchic is constantly looking at ways of improving their products and services and therefore reserve the right to change, without prior notice, any of the data contained in this publication. Any orders placed will be subject to our Standard Conditions of Sale, available on request.

Crestchic is part of the NBI group of companies.



Crestchic France SAS
15 Avenue Condorcet
91240
Saint-Michel sur Orge
France
Tel: +33 (0) 169 259434
Fax: +33 (0) 170 445333
contact@crestchic.fr
www.crestchic.fr



Crestchic Deutschland
Im kleinen Loh 25
D-34376 Immenhausen
Germany
Tel: +49 (0) 5673 913787
Fax: + 49 (0) 5673 913349
lastbank@crestchic.de
www.crestchic.de

