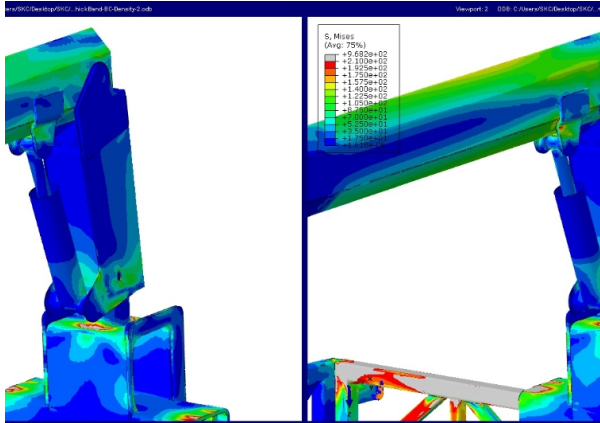


Stability Testing of Cranes and Lift Devices

When a mobile crane is installed, stability testing is required to ensure that there is enough counterweight to allow the crane to pick and carry at its structurally rated capacity. Stability tests are also useful in proving out the mounting of a crane, i.e. that the unit has suitable mounting bolts and an appropriate sub-frame. As such, regulated standards require that every mobile crane sold in North America be stability tested in accordance with SAE J765 before being put into service.



THE Applus+ SOLUTION

Stability testing of mobile equipment is mandated by equipment standards including CSA C225, CSA Z150, CSA Z150.3 and ASME B30.5 and in most Canadian provinces. It is a requirement that the test be done under the direct supervision of a professional engineer. Applus has written process and practice for the training of stability test technicians and for carrying out stability tests to ensure strict compliance with regulatory requirements.

Applus+ offers third party stability testing of mobile cranes, and if required can develop custom load charts for non-stable units. Applus+ can also develop load charts for non-standard outrigger configurations e.g. mid-span or zero-span charts.



For retailers of mobile lifting equipment we also offer training on stability testing methods. This allows equipment vendors to carry out testing on the units they build, then submit the results to us for review and certification via our Fleetutility system.

Target customers

Numerous industries are able to gain maximum benefits by utilizing third-party testing services derived from Applus+, which include firms specializing in the installation of mobile equipment such as cranes and aerial devices. Load and stability testing may also be required in the maritime industry to meet Transport Canada's requirements related to the thorough testing and inspection of lifting devices.

Key customer benefits

The benefits in obtaining Applus+ testing services for mobile equipment, including cranes and aerial devices, are as follows:

- Identifying mobile equipment irregularities by expert technicians for the safety of operators, and corresponding personnel, ultimately safeguarding the assets of clients.
- Ensuring mobile equipment is in compliance with the SAE J765 test code, and other corresponding regulatory standards from governing bodies.
- All tests are tracked in our proprietary online data base, Fleetutility;
- We offer training to vendors so that they can perform their own tests;
- Engineering certification of tests in provinces where it is required by Occupational Health and Safety regulations.