WHAT IS A LOAD TEST?

A load test is a physical proof test of a lifting device. A lifting device is subjected to a load of up to 125% on request of its rated capacity to verify its structural and mechanical integrity. After the load is released, the lifting device is visually inspected for deformation, cracks or other defects. A report of the load test is provided and stamped by a Professional Engineer.

WHAT IS EQUIPMENT CERTIFICATION?

Typically, a general arrangement drawing of a lifting device, with its capacity, is stamped by a Professional Engineer verifying its structural adequacy and compliance with any applicable codes and/or standards.

WHY PERFORM A LOAD TEST?

A load test verifies the structural and mechanical integrity of the lifting device. The ASME standard B30.20 recommends a load test of up to 125% on request of the rated capacity for Below the Hook devices. CSA standards B167-96 and B167-64 recommend a load test of up to 125% on request for cranes.

WHO CAN PERFORM A LOAD TEST?

A Load Test qualified person, which is usually a Professional Engineer.

WHEN SHOULD A LOAD TEST BE CONDUCTED?

– After installation of a new equipment, and
– After a piece of equipment has had major overhaul or modification

WHAT IS THE COST OF COMPLETING A LOAD TEST?
Pricing of a Load Test is based on various factors, such as the type of machine or equipment, type of installation being reviewed, and technical documentation available. Typically, a quote outlining the scope of the Load Test is provided before proceeding.

FOR YOUR REFERENCE

For a list of additional reference standards, visit:

– www.asme.org for ASME.B30.20

– www.csa.ca for CSA B167-96 & B167-64 standards