

## GENIE LIFT LOAD TEST PROGRAMME.

The GENIE ladder device was brought to Bishop Lifting to undergo a series of tests to suit customer requirements and to proof the no slip ladder device.

The ladder was placed against a unit to represent actual usage on site and set at a 4 to 1 angle.

A 1 tonne test weight has been set directly below the ladder rungs to which a ratchet hoist was attached from the test weight and connected to 1 rung of the ladder.

A series of incremental loads were attached via a calibrated load cell. The base of the ladder marked on the floor.

The load was increased to the following and checked for slipping each time.

50 kg	No movement.	Ladder rung ok
150 kg	No movement.	Ladder rung ok
250 kg	No movement.	Ladder rung deforming.
350 kg	No movement.	Ladder rung deforming.
450 kg	No movement.	Ladder rung deforming.
550 kg	No movement.	Ladder rung snapped.

Ladder GENIE remains in its set position throughout tests.

Test engineer. Mel Davies

Date 15.10.15.

