



## ROLL AWAY DECK LOAD CAPACITY TEST

FRIDAY 15<sup>TH</sup> APRIL 2011, 2:00PM

Roll away deck – Aluminum frame 1.2m wide x 2.4m long with 15mm CD plywood top.

Two load tests were carried out. The first was with a 1m square plate placed over the center of the rollaway, where the fold is. The second test carried out was again using the 1m square plate placed over the centre of one-half of the roll-away deck (half without support legs).

1st load test of 485kgs placed on top of the 1m square plate.

Test dead weight over a 30 minute period with no signs of the frame buckling.

After testing dead weight, load was rocked back and forth with no signs of buckling.

Lug's untouched during this test.

2<sup>nd</sup> load test of 1015kgs placed on top of the 1m square plate.

Tested initial load once the full weight was supported by deck, signs of the lugs bearing weight. No signs of the frame buckling.

Tested dead weight over a 30 minute period, lug's at this stage have bent down by 2-3mm.

Load removed from the roll away deck. Frame examined for any cracks in the welding for which there was none.

Lug's checked for cracked welds for which there was none but needed to be knocked back to their original position.

Roll away was then folded to its closed position and reopened without any issues.

Uniform safe load capacity, **6.6 kPa**

Evenly distributed load, **667kgs sqm**

This rating is for static loads only. Lateral or dynamic loads excluded.

Overall weight of roll away is 44kgs.

Overall tilting weight is 18kgs.

Tested by

Jason Blackbourn 15<sup>th</sup> April 2011.