

**Road/Rail Vehicle Braking Test**

|              |             |                         |          |
|--------------|-------------|-------------------------|----------|
| Machine Type | Case 988    | Date                    | 24-10-11 |
| Serial No    | CGG 0232094 | Next Test Due           | 23-10-12 |
| Fleet No     | 614         | NB: RRVs are 12 monthly |          |

**PERFORM ALL TESTS**

**Test 1: SERVICE BRAKE TEST**

The following distances are to be measured at the machines top speed, using the foot brake and with the maximum trailing load behind the RRV as referenced in the EAC. Repeat at the same speed 3 or 4 times:

|   | Speed (kph) | Stopping Distance (m) |
|---|-------------|-----------------------|
| 1 | 8 kph       | 2.7 m                 |
| 2 | 12 kph      | 5.4 m                 |
| 3 | 16 kph      | 10.2 m                |
| 4 |             |                       |

Trailing Load behind RRV: 23,000.....kg

**NB:** For the maximum braking distances allowed, see table at bottom of page

What was the condition of the track? Dry Level  
(Wet, dry, icy, gradient?, oil/grease?, cant etc.)

**Test 2: PARK BRAKE TEST**

Can be measured either by placing the RRV on a track with a 1:29 gradient (brakes should hold) or using a load cell and noting the reading at the point when slippage occurs. RRV should hold without wheels moving for at least 4% of the Gross vehicle weight. i.e.

| RRV Type   | Minimum Load | RRV Type   | Minimum Load |
|------------|--------------|------------|--------------|
| CX135      | 550kg        | 12m Genie  | 340kg        |
| 988 Mega   | 817kg        | 20m Genie  | 604kg        |
| 988 Super  | 667kg        | LH Skyboom | 424kg        |
| PC138      | 584kg        | AR14       | 480kg        |
| Gigarailer | 1011kg       | AR17       | 492kg        |
| Mecalac 14 | 660kg        | Dumper     | 245kg        |

|                    |            |                    |
|--------------------|------------|--------------------|
| <u>Gradient</u>    | Park Brake | <u>Pass</u> / Fail |
| Load Cell Reading: | n/a (Kg)   |                    |

Tested By: Danny Tighe (Signature)

DANNY TIGHE (Print Name)

machine with Parkbrake applied on a 1:29 Gradient held for 15 mins no movement

NOTE: Maximum stopping distances for Test 1 are:

| Speed (kph) | Stopping Distance (m) |
|-------------|-----------------------|
| 8           | 6                     |
| 16          | 18                    |
| 24          | 36                    |
| 32          | 60                    |