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Short report dynamic durability tests on SJC pole cones.

Dear Mr. De Jong,

On behalf of Sekisui Jushi Corporation 3 different Pole Cones were tested. The tests were done with the Flying Wheel Testing Machine in the Sekisui Jushi Ryuo factory in Japan under supervision of TÜV Rheinland TNO Automotive International.

The Purpose of the tests was to goal of the impact durability of 3 different pole cones.

Tabel 1: Test specifications

| Velocity [km/h] | 70 |
| Impactor mass [kg] | 1150 |
| Number of repeats | 1000 |

Tabel 2: test item

<table>
<thead>
<tr>
<th></th>
<th>PC80LSGW</th>
<th>PC65NSRW-T2</th>
<th>PC-65NS1RW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height above ground [mm]</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Diameter cone [mm]</td>
<td>130</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>Diameter base [mm]</td>
<td>136</td>
<td>96</td>
<td>96</td>
</tr>
</tbody>
</table>

The tests showed that all three cones were able to withstand the 1000 cycles. The upright angle after the test deviated not more than 2° from the initial angle. The base of the cones remained undamaged. Although the top of the cones suffered some damage the cones remained functional.

With kind regards,

Hans de Lang, B.Sc.