SFI TEST REPORT FOR LIGHT ALLOY WHEEL

Reference No. 100904

<table>
<thead>
<tr>
<th>Type</th>
<th>Nominal designation of rim</th>
<th>20×11J</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offset (mm)</td>
<td>P.C.D. (mm)</td>
<td>130</td>
</tr>
<tr>
<td>Number of bolt holes</td>
<td>Structure</td>
<td>1-PC</td>
</tr>
<tr>
<td>Material</td>
<td>A356-T6</td>
<td></td>
</tr>
</tbody>
</table>

1. Tire used for test

<table>
<thead>
<tr>
<th>Item</th>
<th>Nominal designation of tire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radial load endurance test</td>
<td>285/35R20</td>
</tr>
<tr>
<td>Impact test</td>
<td>285/35R20</td>
</tr>
</tbody>
</table>

PCD ∮15.75*24.5  HUB:57.1 MAX LOADING: 1600LBS

2. Testing conditions and results

(1) Rotary bending fatigue test

Date of test, (Month) 07 (Day) 26 (Year) 2010

Bending moment during test (kgf.m) 385
Rotational speed for test 100,000 circles
Damage to disk wheel None
Loosening of tightening section OK
Evaluation Qualified/ Disqualified

Used in calculation of bending moment [kN]{kgf} \( r \times 725.76 \text{ (m)} \)
\( d \times 0.0818 \text{ (m)} \)
\( W \times 0.3556 \text{ (kgs)} \)
Calculated bending moment value M [kNm] {kgfm} \( r \times 384.04 \text{ (m)} \) d (m)

(2) Radial load endurance test

Date of test, (Month) 07 (Day) 28 (Year) 2010

Pre-test air pressure [kpa]{kgf/cm²} 460
Radial load during test [kN]{kgf} 1633
Rotational speed for test 500,000 circles
Damage to disk wheel None
Loosening of fixture section etc. OK
Evaluation Qualified/ Disqualified

Used in calculation of Radial load[kN]{kgf} Calculated Radial load Q 725.76 [kgf] W 1632.95 (kgs)

(3) Impact test 13º

Date of test, (Month) 07 (Day) 25 (Year) 2010

Pre-test air pressure [kpa]{kgf/cm²} 200
Total width (mm) 289
Weight mass (kg) 616
Drop height (mm) 230
Impact position (º) 0º/180º
Damage to disk wheel NONE
Air leakage OK
Evaluation Qualified/ Disqualified

(4) Overall evaluation: Qualified/ Disqualified