SFI TEST REPORT FOR LIGHT ALLOY WHEEL

Reference No. 090725
Type 2014 SPEKE
Nominal designation of rim 20×9J
Offset (mm) +44
P.C.D. (mm) 127
Number of bolt holes 5
Structure 1-PC
Material A356-T6
Manufacturing method FLOW FORMING

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>285/50R20</td>
</tr>
<tr>
<td>Impact test</td>
<td>255/40R20</td>
</tr>
</tbody>
</table>

PCD \(\frac{\pi}{15.75*30.93}\)
MAX LOADING: 1600LBS

2. Testing conditions and results

(1) Rotary bending fatigue test  Date of test, (Month) 07 (Day) 23 (Year) 2009
Testing equipment approval number A-226
Bending moment during test (kgf.m) 382
Rotational speed for test 100,000 circles
Damage to disk wheel None
Loosening of tightening section OK
Evaluation Qualified
Used in calculation of bending moment [kN] \{kgf\} \(r 725.76(m) \), \(d 0.044(m) \), \(W 0.4064 \text{ (kgs)} \)
Calculated bending moment value \(M [kNm] \{kgfm\}\) \(r 381.44 (m) \) \(d (m) \)

(2) Radial load endurance test  Date of test, (Month) 07 (Day) 24 (Year) 2009
Testing equipment approval number B-90-②
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
Used in calculation of Radial load [kN] \{kgf\} Calculated Radial load \(Q 725.76 \text{ (kgf) \ W 1632.95 \ (kgs) \)

(3) Impact test 13º  Date of test, (Month) 07 (Day) 23 (Year) 2009
Testing equipment approval number C-127-②
Pre-test air pressure [kpa] \{kgf/cm²\} 200
Total width (mm) 259
Weight mass (kg) 616
Drop height (mm) 230
Impact position (º) 0º/180º
Damage to disk wheel NONE
Air leakage OK
Evaluation Qualified

(4) Overall evaluation Qualified/Disqualified

MODEL#AB42S

Corporate name: Forgestar
Contact: Wong