SFI TEST REPORT FOR LIGHT ALLOY WHEEL

Reference No. 100503
Type F14
Nominal designation of rim 18×8.5J
Offset (mm) +48
P.C.D. (mm) 130
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>285/60R18</td>
</tr>
<tr>
<td>Impact test</td>
<td>215/40R18</td>
</tr>
</tbody>
</table>

PCD £14.75*29.7
MAX LOADING: 1520LBS

2. Testing conditions and results

(1) Rotary bending fatigue test
Date of test, (Month) 04 (Day) 20 (Year) 2010
Testing equipment approval number A-238
Bending moment during test (kgf.m) 367
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 689.47 (m) d 0.048 (m) W0.4064 (kgs)
Calculated bending moment value M [kNm] [kgf.m] r 366.78 (m) d (m)

(2) Radial load endurance test
Date of test, (Month) 04 (Day) 21 (Year) 2010
Testing equipment approval number B-224
Pre-test air pressure [kpa] [kgf/cm²] 460
Radial load during test [kN] [kgf] 1552
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 689.47 [kgf] W 1551.31 [kgs]

(3) Impact test 13º
Date of test, (Month) 04 (Day) 20 (Year) 2010
Testing equipment approval number C-297
Pre-test air pressure [kpa] [kgf/cm²] 200
Total width (mm) 219
Weight mass (kg) 594
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# 8B42S
Corporate name: Forgestar
Contact: Wong