### SFI TEST REPORT FOR LIGHT ALLOY WHEEL

**Reference No.** 100918

**Type** CF5

**Nominal designation of rim** 18×11J

**Offset (mm)** +62.8

**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>305/60R18</td>
</tr>
<tr>
<td>Impact test</td>
<td>275/40R18</td>
</tr>
</tbody>
</table>

**PCD** 15.75*24.5 **HUB:** 57.1

**MAX LOADING:** 1520LBS

#### 2. Testing conditions and results

1. **Rotary bending fatigue test**
   - Date of test, (Month) 09 (Day) 12 (Year) 2010
   - Testing equipment approval number A-238
   - Bending moment during test (kgf.m) 393
   - 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] \( r \) 689.47 (m) \( d \) 0.0628 (m) \( W \) 0.4191 (kgs)
   - Calculated bending moment value \( M \) [kNm] \( r \) 392.91 (m) \( d \) (m)

2. **Radial load endurance test**
   - Date of test, (Month) 09 (Day) 13 (Year) 2010
   - Testing equipment approval number B-224
   - Pre-test air pressure [kpa] 460
   - Radial load during test [kN] 1552
   - Rotational speed for test 500,000 circles
   - Damage to disk wheel None
   - Loosening of tightening section etc. OK
   - Evaluation Qualified/Disqualified
   - Used in calculation of Radial load[kN] Calculated Radial load Q 689.47 [kgf] \( W \) 1551.31 (kgs)

3. **Impact test 13º**
   - Date of test, (Month) 09 (Day) 12 (Year) 2010
   - Testing equipment approval number C-297
   - Pre-test air pressure [kpa] 200
   - Total width (mm) 279
   - Weight mass (kg) 594
   - 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

**MODEL#8C44U**

Corporate name: Forgestar

Contact: Wong