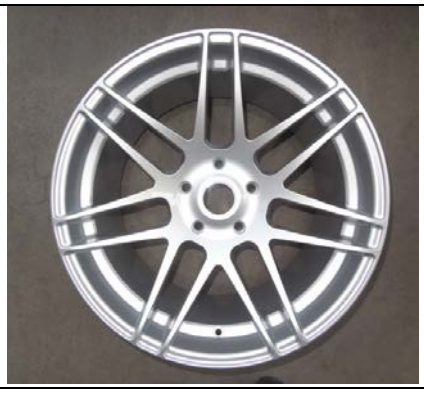
# SFI TEST REPORT FOR LIGHT ALLOY WHEEL

| Reference No. | 13081902 | | |
|---|---|---|---|
| Type | F14 super deep | Nominal designation of rim | 20×12J |
| Offset (mm) | +53.3 | P.C.D. (mm) | 130 |
| Number of bolt holes | 5 | Structure | 1-PC |
| Material | A356-T6 | Manufacturing method | FLOW FORMING |

**Model#AB42V**

Corporate name: Forgestar

Contact: Wong



1. Tire used for test

| Item | Nominal designation of tire |
|---|---|
| Radial load endurance test | 315/35R20 |
| Impact test | 305/35R20 |

PCD §15.75*24.5

MAX LOADING:1600LBS

2. Testing conditions and results

(1) Rotary bending fatigue test Date of test, (Month 08 (Day) 14 (Year) 2013

Testing equipment approval number A-238

| Bending moment during test (kgf.m) | Rotational speed for test | Damage to disk wheel | Loosening of tightening section | Evaluation |
|---|---|---|---|---|
| 362 | 100,000 circles | None | OK | Qualified/Disqualified |

Used in calculation of bending moment [kN]{kgf} r 725.76 (m) d 0.0533 (m) W 0.3683 (kgs)

Calculated bending moment value M [kNm] {kgfm} r 361.27 (m) d (m)

(2) Radial load endurance test Date of test, (Month) 08 (Day) 15 (Year) 2013

Testing equipment approval number B-224

| Pre-test air pressure [kpa]{kgf/cm$^2$} | Radial load during test [kN]{kgf} | Rotational speed for test | Damage to disk wheel | Loosening of fixture section etc. | Evaluation |
|---|---|---|---|---|---|
| 460 | 1633 | 500,000circles | None | OK | 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) 08 (Day) 13 (Year) 2013

Testing equipment approval number C-297

| Pre-test air pressure [kpa]{kgf/cm$^2$} | Total width (mm) | Weight mass (kg) | Drop height (mm) | Impact position (º) | Damage to disk wheel | Air leakage | Evaluation |
|---|---|---|---|---|---|---|---|
| 200 | 309 | 616 | 230 | 0º/180º | NONE | OK | Qualified/Disqualified |

(4) Overall evaluation: Qualified/Disqualified