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

Model#8B42S

Corporate name: Forgestar

Contact: Wong

1. Tire used for test

Item	Nominal designation of tire
Radial load endurance test	285/60R18
Impact test	215/40R18

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)	Rotational speed for test	Damage to disk wheel	Loosening of tightening section	Evaluation
367	100,000 circles	None	OK	(Qualified)/Disqualified

Used in calculation of bending moment [kN]{kgf} r 689.47 (m) d0.048(m) W0.4064 (kgs)

Calculated bending moment value M [kNm] {kgfm} 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/cm^2}	Radial load during test [kN]{kgf}	Rotational speed for test	Damage to disk wheel	Loosening of fixture section etc.	Evaluation
460	1552	500,000circles	None	OK	(Qualified)/Disqualified

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/cm^2}	Total width (mm)	Weight mass (kg)	Drop height (mm)	Impact position (º)	Damage to disk wheel	Air leakage	Evaluation
200	219	594	230	0º/180º	NONE	OK	(Qualified)/Disqualified

(4) Overall evaluation: (Qualified)/ Disqualified