Test Report For Automobile Aluminum Alloy Wheel

Corporate name: Midland Wheel LTD.

Reference No.		Category No.		Person in Charge
Name, Brand (Type)	**SLJBW**	Rim Size	12*5.0	Department QC Name 谭文军
Offset (mm)	14mm	P.C.D.	101.6 (mm)	
Number of bolt (holes)	4	Structure	One piece	
Material	A356.2	Manufacturing method	Gravity casting	

1.Tire used for test

Item	Nominal designation of tire
Dynamic radial fatigue test	165/60R 12
Impact test	155/70R 12

2.Testing conditions and results

(1)Dynamic cornering fatigue test Date of test, (Month) 08 (Day) 07 (Year) 2010

Testing equipment approval number: VIA A.210

Bending moment during test [KNm]	Number of Test Revolutions	Appearance concerning damage, etc., of disc wheel after test	Appearance concerning looseness in attached section, etc., of disc wheel after test	Judgment
3.172	100000	No damage	No damage	OK

F used in calculation of bending moment 8.34 [KN] r 0.298 (m) d 0.045 (m)

Calculated bending moment value M 3.172 [KNm]

(2)Dynamic radial fatigue test Date of test, (Month) 08 (Day) 07 (Year) 2010

Testing equipment approval number: VIA B.197

Air pressure prior to test [kpa]	Radial load during test [KN]	Number of Test Revolutions	Appearance concerning damage, etc., of disc wheel after test	Appearance concerning looseness in attached section, etc., of disc wheel after test	Judgment
460	18.20	500000	No damage	No damage	OK

F used in calculation of radial load 8.34 [KN] (kgf) Calculated radial load o 18.20 [KN] (kgf)

(3) Impact test Date of test, (Month) 08 . (Day) 07 (Year) 2010

Testing equipment approval number: VIA C.267

Air pressure prior to test [kpa](kgf/c ㎡)	Overall width (mm)	Weight mass (KG)	Drop height (mm)	Impact position	Damage to disc wheel	Air leakage	Judgment
200	205	595	230	0/180	No damage	No	OK

3. Overall assessment: **Qualified**, not qualifie

4. Remark: (Check with a circle, when applicable)

1) Indication site for load Indication marks: outer side, **Inner side**, Rim, **Disc**

2) Rust prevention treatment

3) Plated, Not plated, Plating