< Form : SAE Passenger car >

WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Dilling Tool	
Name, brand (type)		Rim Size	18X8.5
Offset (mm)	35	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.2	structure	1 Pc Wheel
Material	A356 - T6 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-7/2025	Ingot Lot No.	

Customer Name:

1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	285/60R18
Impact test	215/40R18

2. Testing conditions and result : **(Load = 727 kg)**

(1) Dynamic cornering fatigue test :

Testing equipment approval number : Date of test : Day 21 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	3.371	150,000	None	None	OK

F used in calculation of bending moment 7.13 (kN) r = 0.372 (m) d = 0.035 (m)

Calculated bending moment value 3.371 (kN.m)

(2) Dynamic radial fatigue test : **(Load = 727 kg)**

Testing equipment approval number : Date of test : Day. 25 Month. 7 Year. 2025

N	Air pressure prior to test (kg/cm^2)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	4.6	17.83	1,100,000	None	None	OK

F used in calculation of radial load : 7.13 (kN) Calculated radial load Q = 17.83 (kN)

(3) Impact test : **(Load = 727 kg)**

Testing equipment approval number : Date of test : Day 20 Month. 7 Year 2025

N	Air pressure prior to test (Kg / cm^2)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (◦)	Impact Position (◦)	Damage to disc wheel Air leakage	Judgment
1	2.0	242.0	616.2	230.0	13	0	None	OK
2	2.0	242.0	616.2	230.0	13	150	None	

3. Overall assessment : **Qualified :** [V] **Not qualified :** [ ]

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

4.1 Indication site for load indication marks : Inner side : [V] Outer Side : [V] Rim : [ ] Di

4.2 Rust prevention treatment : with 1 Painting [V] 2. Sputtering [ ] 3. Plating [ ]

4. Anodizing

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WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Dilling Tool	
Name, brand (type)		Rim Size	18X9.0
Offset (mm)	15	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.4	structure	1 Pc Wheel
Material	A356 - T6 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-7/2025	Ingot Lot No.	

Customer Name:

1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	285/60R18
Impact test	225/40R18

2. Testing conditions and result : (Load = 727 kg)

(1) Dynamic cornering fatigue test :

Testing equipment approval number : Date of test : Day 22 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	3.143	150,000	None	None	OK

F used in calculation of bending moment 7.13 (kN) r = 0.372 (m) d = 0.015 (m)

Calculated bending moment value 3.143 (kN.m)

(2) Dynamic radial fatigue test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day. 28 Month. 7 Year. 2025

N	Air pressure prior to test (kg/cm^2)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	4.6	17.83	1,100,000	None	None	OK

F used in calculation of radial load : 7.13 (kN) Calculated radial load Q = 17.83 (kN)

(3) Impact test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 22 Month. 7 Year 2025

N	Air pressure prior to test (Kg / cm^2)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (◦)	Impact Position (◦)	Damage to disc wheel Air leakage	Judgment
1	2.0	255.0	616.2	230.0	13	0	None	OK
2	2.0	255.0	616.2	230.0	13	150	None	

3. Overall assessment : Qualified : V Not qualified : ☐

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

4.1 Indication site for load indication marks : Inner side : V Outer Side : V Rim : ☐ D

4.2 Rust prevention treatment : with 1 Painting V 2. Sputtering ☐ 3. Plating ☐

4. Anodizin

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WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Dilling Tool	
Name, brand (type)		Rim Size	18X9.5
Offset (mm)	35	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.6	structure	1 Pc Wheel
Material	A356 - T6 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-7/2025	Ingot Lot No.	

Customer Name:

1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	285/60R18
Impact test	235/40R18

2. Testing conditions and result : **(Load = 727 kg)**

(1) Dynamic cornering fatigue test :

Testing equipment approval number : Date of test : Day 25 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	3.371	150,000	None	None	OK

F used in calculation of bending moment 7.13 (kN) r = 0.372 (m) d = 0.035 (m)

Calculated bending moment value 3.371 (kN.m)

(2) Dynamic radial fatigue test : **(Load = 727 kg)**

Testing equipment approval number : Date of test : Day. 30 Month. 7 Year. 2025

N	Air pressure prior to test (kg/cm^2)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	4.6	17.83	1,100,000	None	None	OK

F used in calculation of radial load : 7.13 (kN) Calculated radial load Q = 17.83 (kN)

(3) Impact test : **(Load = 727 kg)**

Testing equipment approval number : Date of test : Day 26 Month. 7 Year 2025

N	Air pressure prior to test (Kg / cm^2)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (◦)	Impact Position (◦)	Damage to disc wheel Air leakage	Judgment
1	2.0	268.0	616.2	230.0	13	0	None	OK
2	2.0	268.0	616.2	230.0	13	150	None	

3. Overall assessment : **Qualified :** V **Not qualified :** ☐

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

4.1 Indication site for load indication marks : Inner side : V Outer Side : V Rim : ☐ D

4.2 Rust prevention treatment : with 1 Painting V 2. Sputtering ☐ 3. Plating ☐

4. Anodizin

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WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Dilling Tool	
Name, brand (type)		Rim Size	18X11.0
Offset (mm)	54	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.8	structure	1 Pc Wheel
Material	A356 - T6 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-7/2025	Ingot Lot No.	

Customer Name:

1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	295/60R18
Impact test	295/35R18

2. Testing conditions and result : (Load = 727 kg)

(1) Dynamic cornering fatigue test :

Testing equipment approval number : Date of test : Day 19 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	3.588	150,000	None	None	OK

F used in calculation of bending moment 7.13 (kN) r = 0.372 (m) d = 0.054 (m)

Calculated bending moment value 3.588 (kN.m)

(2) Dynamic radial fatigue test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day. 23 Month. 7 Year. 2025

N	Air pressure prior to test (kg/cm^2)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	4.6	17.83	1,100,000	None	None	OK

F used in calculation of radial load : 7.13 (kN) Calculated radial load Q = 17.83 (kN)

(3) Impact test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 21 Month. 7 Year 2025

N	Air pressure prior to test (Kg / cm^2)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (◦)	Impact Position (◦)	Damage to disc wheel Air leakage	Judgment
1	2.0	305.0	616.2	230.0	13	0	None	OK
2	2.0	305.0	616.2	230.0	13	150	None	

3. Overall assessment : Qualified : V Not qualified : ☐

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

4.1 Indication site for load indication marks : Inner side : V Outer Side : V Rim : ☐ Di

4.2 Rust prevention treatment : with 1 Painting V 2. Sputtering ☐ 3. Plating ☐

4. Anodizing

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