

TEST REPORT

No. : SHAT2303005234OH

Date : May 12, 2023

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CUSTOMER NAME: Digit Stamping Technology (Wuhan) Limited

ADDRESS: ChangFu Industrial Area No.19,Caidian Economic Development Zone, Wuhan,Hubei Province,
China

Following information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client:

Sample Name : ASSY SEALING COVER REAR EXTENDED

Part No. : P11-HT73CN-00

Material and Mark : Q/BQB 430 DC06E+Z 50/50

SGS Ref No. : WHAT2303001622OH

Date of Receipt : Mar 14, 2023

Testing Start Date : Mar 20, 2023

Testing End Date : May 01, 2023

Test Result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for and on behalf of
SGS-CSTC Standards Technical
Service (Shanghai)Co., Ltd.

.....
Adam Deng

Technical Supervisor

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Report Declaration:

In the territory of the People's Republic of China, the test method is not in CMA accredited scope, the test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc., and just for client internal reference.

Manufacture Declaration or Comment:

None

Summary of Result(s):

No.	Test Item	Test Method	Conclusion
1.	Cyclic corrosion test	GMW 14872:2021 &ASTM D3359:2017 method B	Pass

Note:
Pass: Meet the requirements
Fail: Does not meet the requirements
N/A: Not apply to the judgment

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1. Cyclic corrosion test

Sample Description: Metal Parts

Sample Quantity: 7

Test Standards: GMW 14872:2021& ASTM D3359:2017 method B

Client's Requirements: N/A

Environmental Conditions: $(23 \pm 2) ^\circ\text{C}$, $(50 \pm 5) \% \text{RH}$

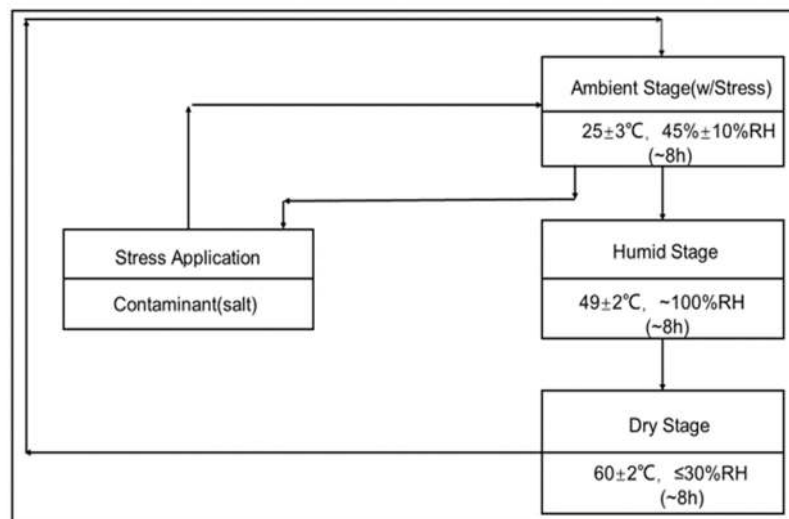
Test Method Description:

Run 42 cycles corrosion test

Salt Solution: 0.9%NaCl, 0.1%CaCl₂, 0.075% NaHCO₃

Each cycle accords to GMW 14872:2021 as the following steps:

Number of salt sprays for four (4) per one (1) cycle



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Test Result:

Sample No.	Test Result	Conclusion
SHAT2303005234OH-S1	No red rust, rating of lattice cut is 5B for both before test and after test	Pass
SHAT2303005234OH-S2	No red rust, rating of lattice cut is 5B for both before test and after test	Pass
SHAT2303005234OH-S3	No red rust, rating of lattice cut is 5B for both before test and after test	Pass
SHAT2303005234OH-S4	No red rust, rating of lattice cut is 5B for both before test and after test	Pass
SHAT2303005234OH-S5	No red rust	Pass
SHAT2303005234OH-S6	No red rust	Pass
SHAT2303005234OH-S7	No red rust	Pass

Evaluation Method:

1. No red rust.

2.Lattice cut test of primary sample after cyclic corrosion must be equivalent to lattice cut test before cyclic corrosion. Must be Class 5 or Class 4.ASTM D3359:2017 method B(lattice)

Conclusion: Pass

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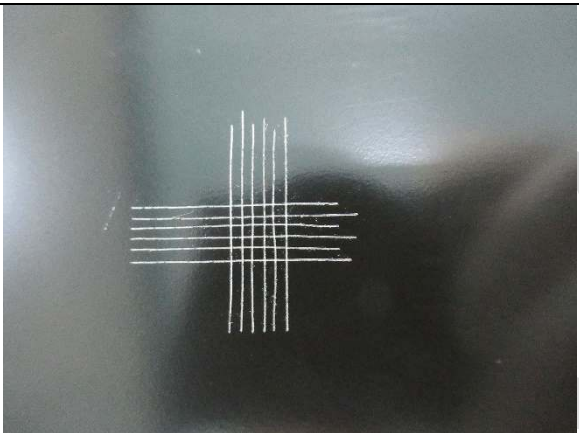
Test Photos:



During the test



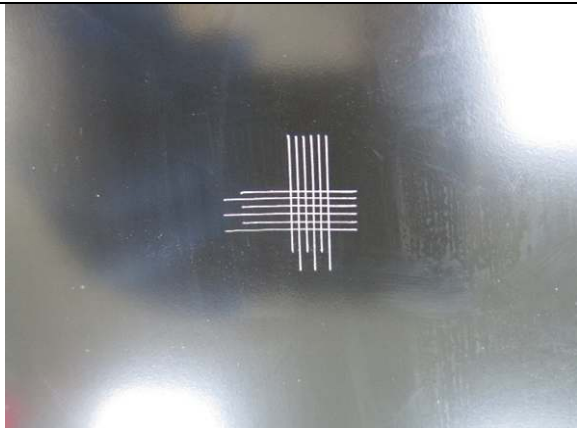
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Before test S1	Before test S1
	
Before test S1	/



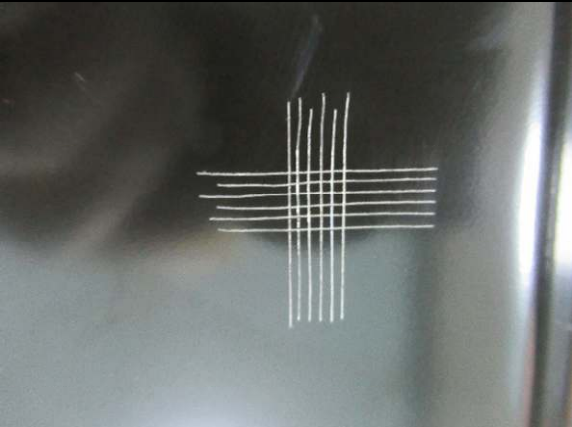
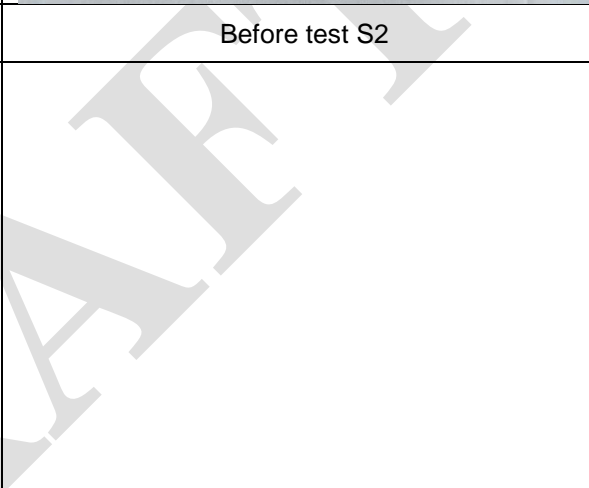
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After test S1	After test S1
	/
After test S1	/



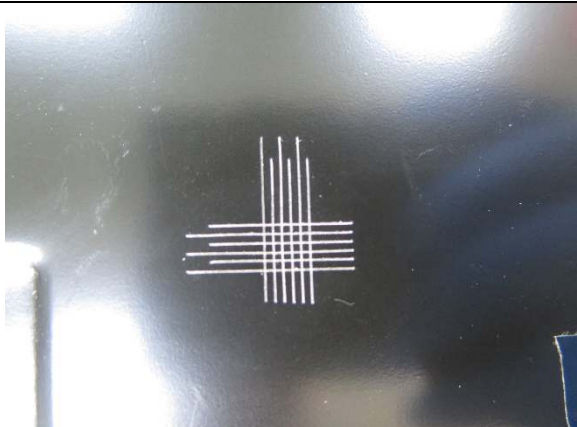
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Before test S2	Before test S2
	
Before test S2	
	/



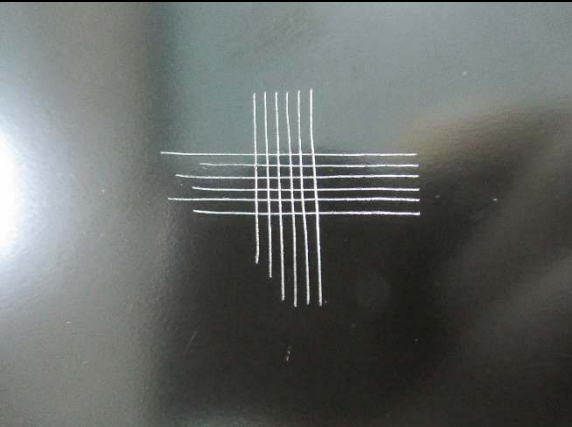
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After test S2	After test S2
	/
After test S2	/


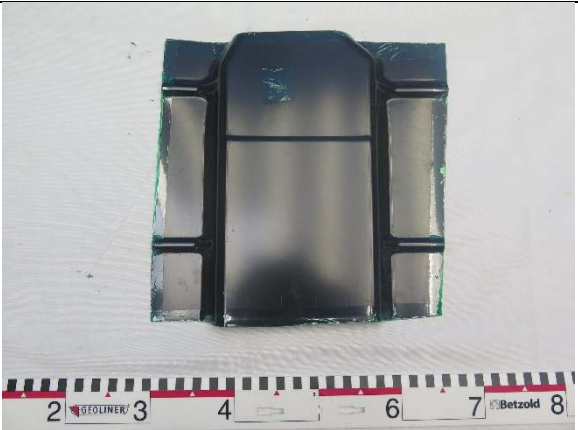

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Before test S3	Before test S3
	
Before test S3	/




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After test S3	After test S3
	/
After test S3	/



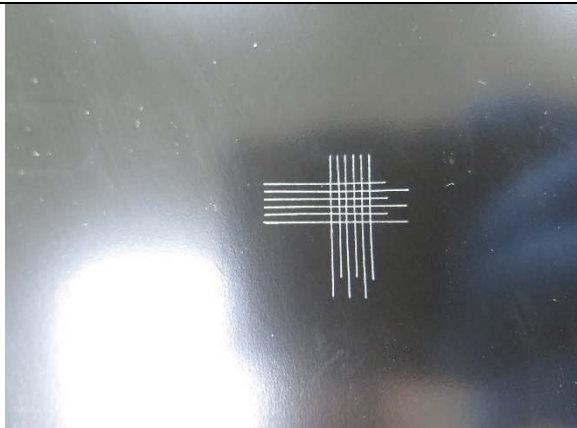
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Before test S4	Before test S4
	
Before test S4	/



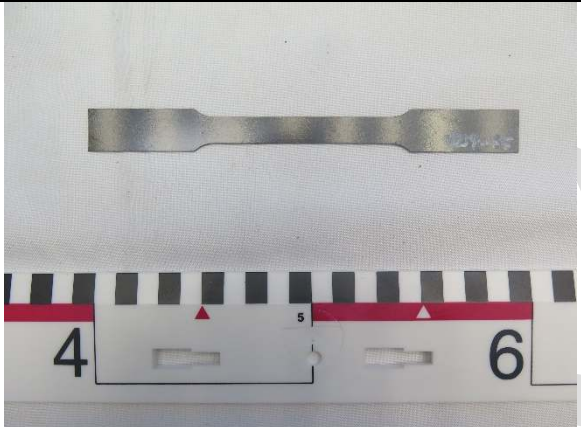

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After test S4	After test S4
	/
After test S4	/



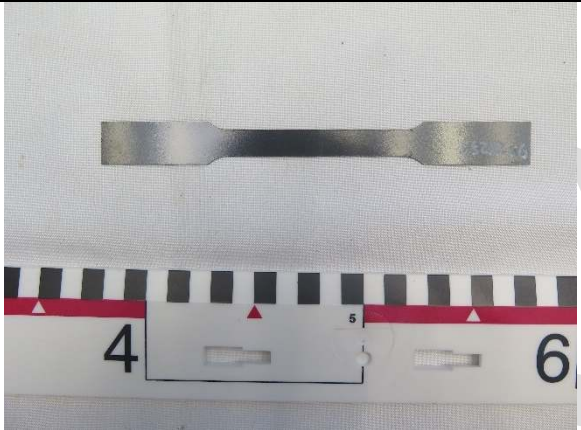
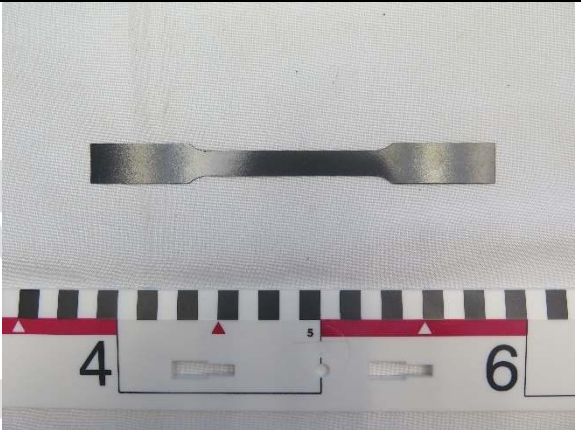
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Before test S5	Before test S5
	
After test S5	After test S5




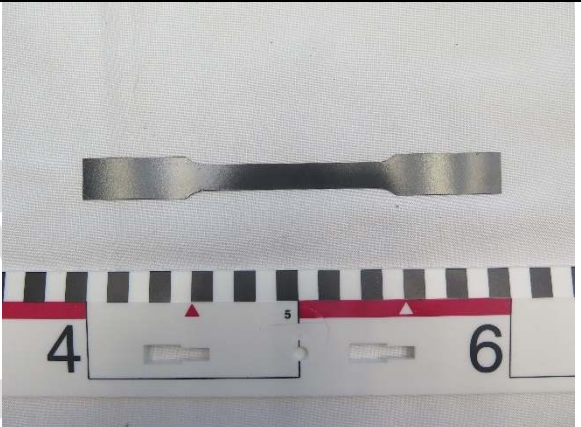
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Before test S6	Before test S6
	
After test S6	After test S6

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Before test S7	Before test S7
	
After test S7	After test S7

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Vehicle Area	Mounting Location of Component	Number of Salt Sprays (sp)	Test Exposure		
			Cosmetic Mass Loss Requirements (Penetration ^{Note 4)} and Number of Test Cycles ^{Note 5}	Functional Mass Loss Requirements (Penetration ^{Note 4)} and Number of Test Cycles ^{Note 5}	
Underbody (UB)	All	4 per cycle	Exposure A 0.42 g ± 0.07 g (19 ± 3 µm) 3 cycles ± 1 cycle	Exposure D 4.74 g ± 0.19 g (215 ± 8 µm) 32 cycles ± 4 cycles	Exposure E 7.11 g ± 0.28 g (323 ± 13 µm) 47 cycles ± 5 cycles

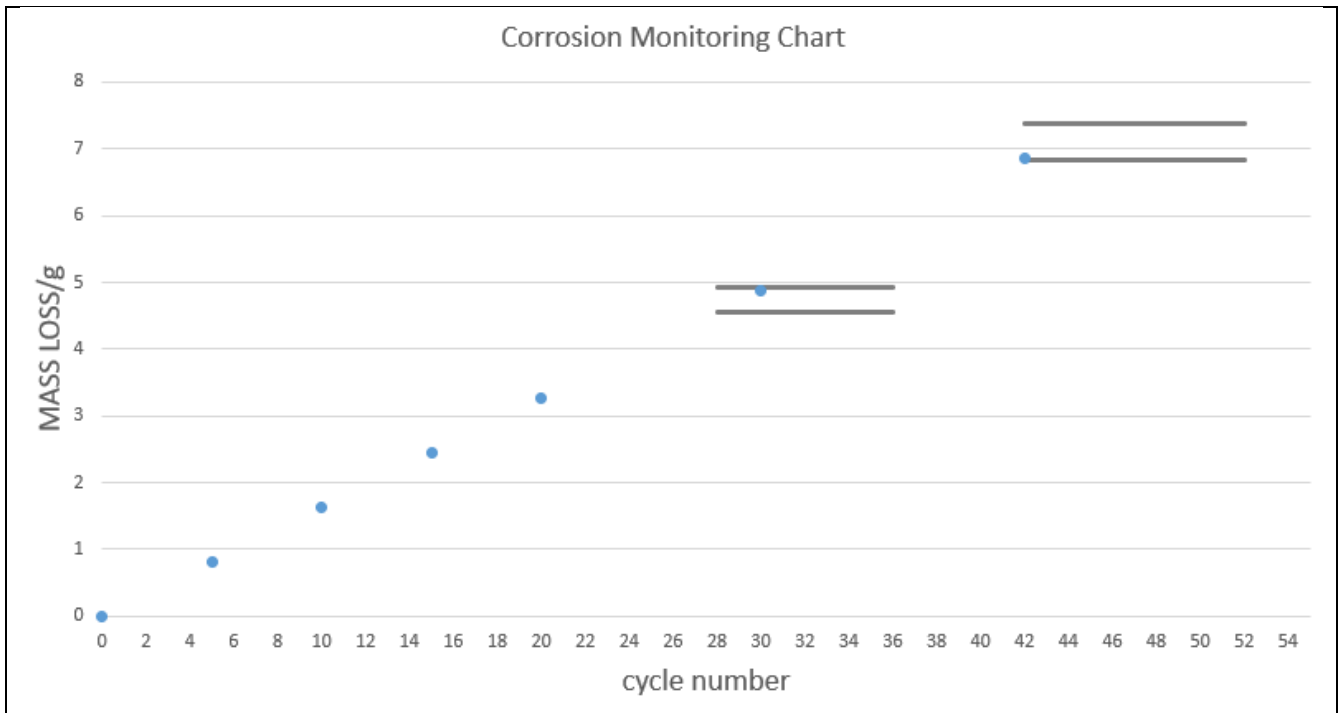
Coupon No.	Cycle No.	Initial mass(g)	Exposed mass(g)	Actual mass loss(g)	Mean
B879	5	29.712	28.899	0.813	0.814
B876		29.796	28.980	0.816	
B878	10	29.737	28.111	1.626	1.621
C500		29.816	28.200	1.616	
B877	15	29.662	27.223	2.439	2.439
B874		29.711	27.273	2.438	
B870	20	29.715	26.432	3.283	3.261
B875		29.740	26.500	3.240	
B873	30	29.607	24.739	4.868	4.872
B869		29.598	24.722	4.876	
B872	42	29.647	22.817	6.830	6.852
B871		29.708	22.834	6.874	

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Equipment Information:

Equipment Name	Equipment Model	Equipment No.	Calibration date	Next Calibration date
Cycle Corrosion Chamber	CC2000ip	SHAPL-045	2022-11-01	2023-10-31
Electric Balance	ME204T/02	SHAPL-470	2022-10-11	2023-10-10

*****End of Report*****