

Test Report

Report No: ZJZX20210812007C

Applicant Name : GUANGZHOU KINGA AUTOPARTS
INDUSTRY MAUFACTURE CO., LTD.

Sample Name: Aluminum Oil Cooler OC01

Specification : /

Test Items: Performance Test



Zhejiang Zhengxin Vehicle Inspection Co.,LTD

2021-08-12

Declaration

1. Our institution insures the equity, independence and honesty of the test. We are responsible for the data of the test, keep secret of the sample provided by the constituent and own the right of saving it.
2. This report has the assessor's or licenser's signature without edit artificially. It will be invalid without stampage of the special badge.
3. The constituent can put forward the problem to us within 15 days after he received the report if he doesn't satisfy with the report. It won't be dealt with if it exceeds the limit date.
4. If the testing sample is entrusted by third party, the testing center cannot guarantee the authenticity of the sample information. The testing result applies only to the test sample
5. Every page of the report is relative to each .We won't take the corresponding legal responsibility for the aftereffects which result from taking one from the report and causing other effects.

Communication Address

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Test Report

Sample Information	ERP	/	Sample Name	Aluminum Oil Cooler OC01
	Specification	/	Sample No.	20210804131Y
	Quantity	1	Supplier	/
	Production Unit	/	Sample Description	/
	Batch Number/ Production Date	/		
Applicant Name	Name	GUANGZHOU KINGA AUTOPARTS INDUSTRY MAUFACTURE CO., LTD.		
	Address	No. 998 Guangcongnan Road, Kinga Auto Parts Industrial Park, Conghua, Guangzhou		
Sample Received	2021-08-09		Test Date	2021-08-10
Temperature	29.1℃		Humidity	67%RH
Test Items	Performance Test			
Main Testing Equipment	Equipment Name/Model	Rig No	Equipment Validity	
	3# Oil cooler performance rig /ZJZXC007	ZX-529-007	2021-11-13	
Test Criteria	1.Order Number: ZX20210804043 2. JB/T11326-2013 Internal combustion engines-Concentric oil coolers-Specifications			
Test Result	/			
Notes	Media of oil side: CD 15W-40 Media of coolant side: water			



Editor:

Auditor:

Approved by:

Description of the test results:

Item Name	Quality Index	Test Result
		Sample Number
		20210804131Y
Performance test	Coolant temperature at inlet: 80°C, oil temperature at inlet: 110°C, volume flow of coolant side: 40L/min, volume flow of oil side: (3, 5, 8, 10)L/min.	Reference Form 1

Form 1: Test results

20210804131Y	1	2	3	4
Oil temperature at inlet (°C)	110.06	110.09	110.08	109.98
Oil temperature at outlet (°C)	92.91	96.18	99.00	100.49
Coolant temperature at inlet (°C)	79.85	79.90	79.88	79.78
Oil volume flow (L/min)	2.95	4.95	7.95	10.05
Coolant volume flow (L/min)	39.94	39.95	39.95	39.88
Oil heat rejection (W)	1612	2200	2821	3057
Conversion of oil heat rejection (W)	1601	2186	2803	3037
Pressure drop of oil side (kPa)	47.10	92.03	206.89	305.66
Pressure drop of coolant side (kPa)	3.90	3.92	4.01	4.07

Figure 1: Test sample

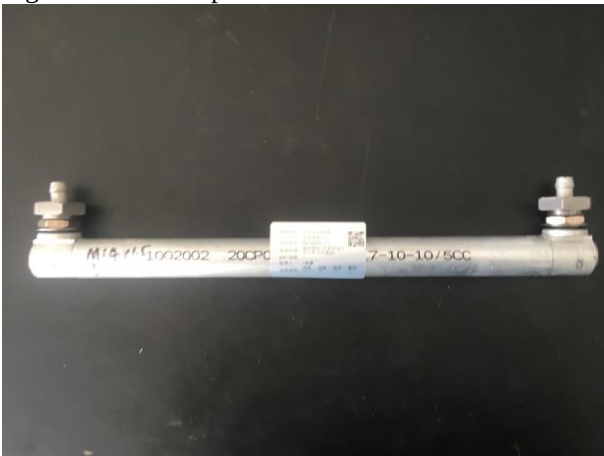


Figure 2: Mounting Method



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