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Technical Report No. 70.520.21.071.01-00

Rev. 00

Dated 2021-08-06

Client: Name: Boge (Shanghai) Compressor Co., Ltd.
Address: 299 Gaoji Road, Sijing Town, Songjiang District, Shanghai P.R. China

Manufacturing place: Same as above

Test subject: Product: Oil Free Screw Air Compressor
Type: SO61A; SO61W; SO76A; SO76W; SO101A; SO101W; SO126A; SO126W;
SO150A; SO150W; SO180A; SO180W; SO200A; SO200W; SO220A; SO220W;
SO269A; SO269W; SO270A; SO270W; SO340A; SO340W; SO430A; SO430W;
SO431A; SO431W; SO480W; SO500W; SO550W; SO600W; SO650W; SO61AF;
SO61WF; SO76AF; SO76WF; SO101AF; SO101WF; SO126AF; SO126WF;
SO150AF; SO150WF; SO180AF; SO180WF; SO200AF; SO200WF; SO220AF;
SO220WF; SO269AF; SO269WF; SO270AF; SO270WF; SO340AF; SO340WF;
SO430AF; SO430WF; SO431AF; SO431WF; SO480WF; SO500WF; SO550WF;
SO600WF; SO650WF

Test specification: ISO 8573-1:2010; ISO 8573-2:2018; ISO 8528-5:2001

Test result: The test results show that the presented product is in compliance with the specified requirements.

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1 Description of the test subject

1.1 Function

Manufacturer's specification for intended use: air compressor

1.2 Consideration of the foreseeable misuse

- ☐ Not applicable
- ☒ Covered through the applied standard
- ☐ Covered by the following comment
- ☐ Covered by attached risk analysis

1.3 Technical Data

SO180W, SO101WF and SO430W are a representative model of S series Oil Free Screw Air Compressor, these models have same work principle and different technical data. The model under test is randomly selected.

Machine name	Model	Samples No	Collecting samples	Sampling duration(min)	Sampling speed (L/min)
Oil Free Air Screw Compressor	SO180W	1#	Compressed air	60	1.5
	SO101WF	2#	Compressed air	60	1.5
	SO430W	3#	Compressed air	60	1.5

2 Order

2.1 Date of Purchase Order, Customer's Reference

2021-04-21, 7482345371

2.2 Receipt of Test Sample, Location

Receive date: 2021-05-19; 2021-07-14



Boge (Shanghai) Compressor Co., Ltd.
299 Gaoji Road, Sijing Town, Songjiang District, Shanghai P.R. China

2.3 Date of Testing

2021.05.19; 2021.07.14

2.4 Location of Testing

Boge (Shanghai) Compressor Co., Ltd.
299 Gaoji Road, Sijing Town, Songjiang District, Shanghai P.R. China

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None

3 Test Results

3.1 Positive Test Results

Test conditions: ISO 8573-1:2010; ISO 8573-2:2018; ISO 8573-5:2001

Test method:

Step 1: start: all valves should be on the off position. Fully open the shut-off valve to fill the test equipment with compressed air. According to the flow meter, the flow rate adjustment valve is used to adjust the flow rate to the required flow value.

Step 2: Stable sampling filter, the sampling filter element operates in saturation, thus allowing the time required to reach saturation.

Step 3: The oil is measured, and the oil cake sample liquid for measurement in the oil collection cup is discharged in a suitable volume measuring device. The time interval between tests is determined by the amount of liquid collected. In order to avoid incorrect readings caused by oil blistering, allow the oil level to be collected to stabilize before reading. Pay attention to the meniscus during the measurement. Alternatively, weigh the collected oil cake to record the weight of the collected oil (mg)

Test result:

Test Item	Sample No	Test result	Remark
Total concentration of oil (aerosol, liquid oil, oil and gas), mg/m ³	1#	N.D.	Refer to clause 7.3 of ISO 8573-1:2010

Total concentration of oil (aerosol, liquid oil, oil and gas), mg/m3	2#	N.D.	Refer to clause 7.3 of ISO 8573-1:2010
Total concentration of oil (aerosol, liquid oil, oil and gas), mg/m3	3#	N.D.	Refer to clause 7.3 of ISO 8573-1:2010

4 Picture



3# Sample



END

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
TÜV SÜD Group

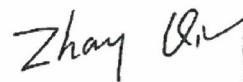


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