


TESTING CERTIFICATE

36, Sandan-ro, Gunsan-si, Jeollabuk-do, 54004 Rep. of KOREA
Tel : +82-63-447-2500, Fax : +82-63-467-0540

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TESTING CERTIFICATE

 36, Sandan-ro, Gunsan-si, Jeonlabuk-do 54004, Republic of KOREA (Tel: +82-63-447-2500, Fax: 82-63-467-0540)	Report No. : KCT22-T099
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1. Client

- Name : Korea Machine co., Ltd
- Address : #203 YeongChang Bldg, 15, Yeouidaebang-ro 68-gil, Yeongdeungpo-gu, Seoul, Korea
- Date of Receipt : 2022. 06. 10

2. Use of Report

: External submit

3. Test Sample

- Product : Hydraulic Breaker
- Material : 1
- Quantity : Tor25V
- Heat Number : -

4. Date of Test

: 2022. 06. 15 ~ 2022. 06. 16

5. Test Equipment

: Vibration&Noise measuring system

6. Test Method used

: Refer to [Test Results 2.(KS I ISO 6393)]


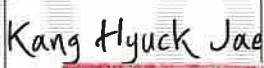

7. Testing Environment

: Temperature: (24 ± 2)℃, Humidity: (57 ± 5) % R.H.

8. Test Results

: Refer to [Test Results 3.]

- Note :
1. The test result of this report is only for the sample supplied by the client and do not guarantee the all products of the client.
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	Tested by Test Engineer	Checked by Test Engineer	Approved by Technical Engineer
Affirmation	Kim Myungsung	Kang Hyuckjae	Lee byeong weon
	07/18 16:52	07/18 17:50	07/18 18:04
			



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TESTING RESULT



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1. Test Sample Information

Sample Name	Model Number	Manufacturer	Quantity (Set)
Hydraulic Breaker	Tor25V	Korea Machine co., Ltd	1

Sample Photo



2. Test Specification

Test Item	Test Condition & Method
Performance Test	<ul style="list-style-type: none"> • Operation Pressure Measurement. • Number of Blow Measurement(BPM).
Noise level Measurement Test	<ul style="list-style-type: none"> • Refer to Standard KS I ISO 6393 • Refer to Measurement Point [3. Noise Measurement Coordinates]. • Refer to [Ministry of Environment Notification No. 2014-201]. - $L_w = \bar{L}_{cq} - K_1 - K_2 + 10 \log(S/S_0)$ dB(A) - The noise was measured three times and the value of the difference within 1 dB(A) among the high values was calculated as the arithmetic mean - Measurements are 1/3 Octave analysis.



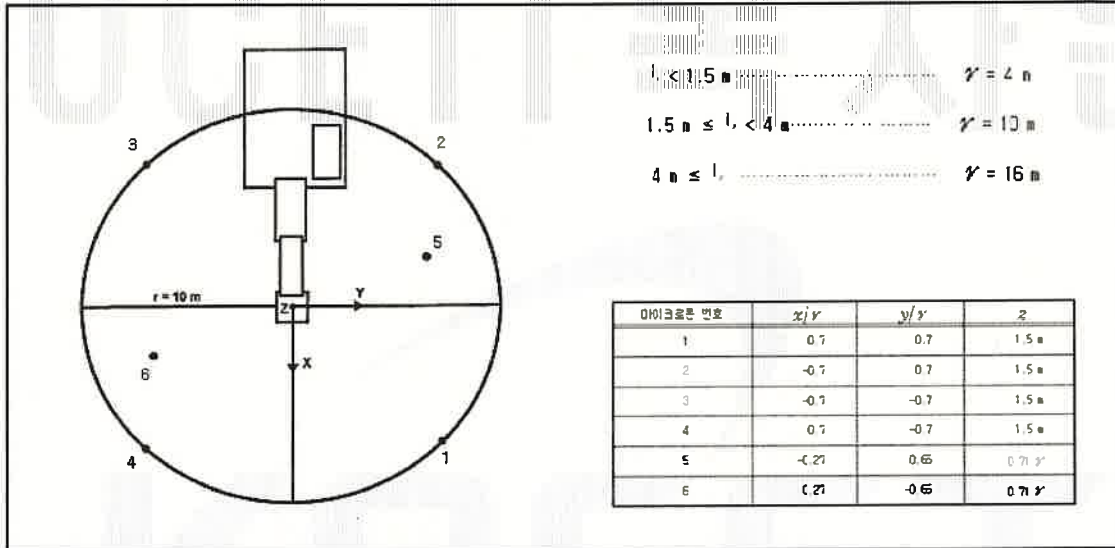
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3. Noise Measurement Coordinates



4. Measurement Environment

Item	Measured Value	Remarks
Wind Velocity	(1 ± 1) m/s	
Temperature	(24 ± 1) °C	
Humidity	(57 ± 1) % R.H.	
Excavator Engine Speed	1,340 r/min	

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5. Test Result

5.1 Performance Test

5.1.1 Operation Pressure

Stabilization Section [s]	Result [bar]			
	1 st	2 nd	3 rd	Average
30	205.27	204.70	204.04	204.67

5.1.2 Number of Blow

Division	Result [cycle]			
	1 st	2 nd	3 rd	Average
Blow per 2 second	15	15	15	15
Blow per minute	450	450	450	450

5.2 Noise level Measurement

Division	Result [dB(A)]							
	pt. 1	pt. 2	pt. 3	pt. 4	pt. 5	pt. 6	avg.	Lw
* bgn	33.0	32.1	33.5	33.8	33.2	33.6	33.0	-
1 st	96.3	97.0	96.2	96.9	96.2	96.9	96.5	124.5
2 nd	96.7	97.1	96.5	97.3	96.0	96.4	96.7	124.7
3 rd	96.8	97.4	96.6	97.5	95.9	96.7	96.9	124.8
Lw avg.								124.8

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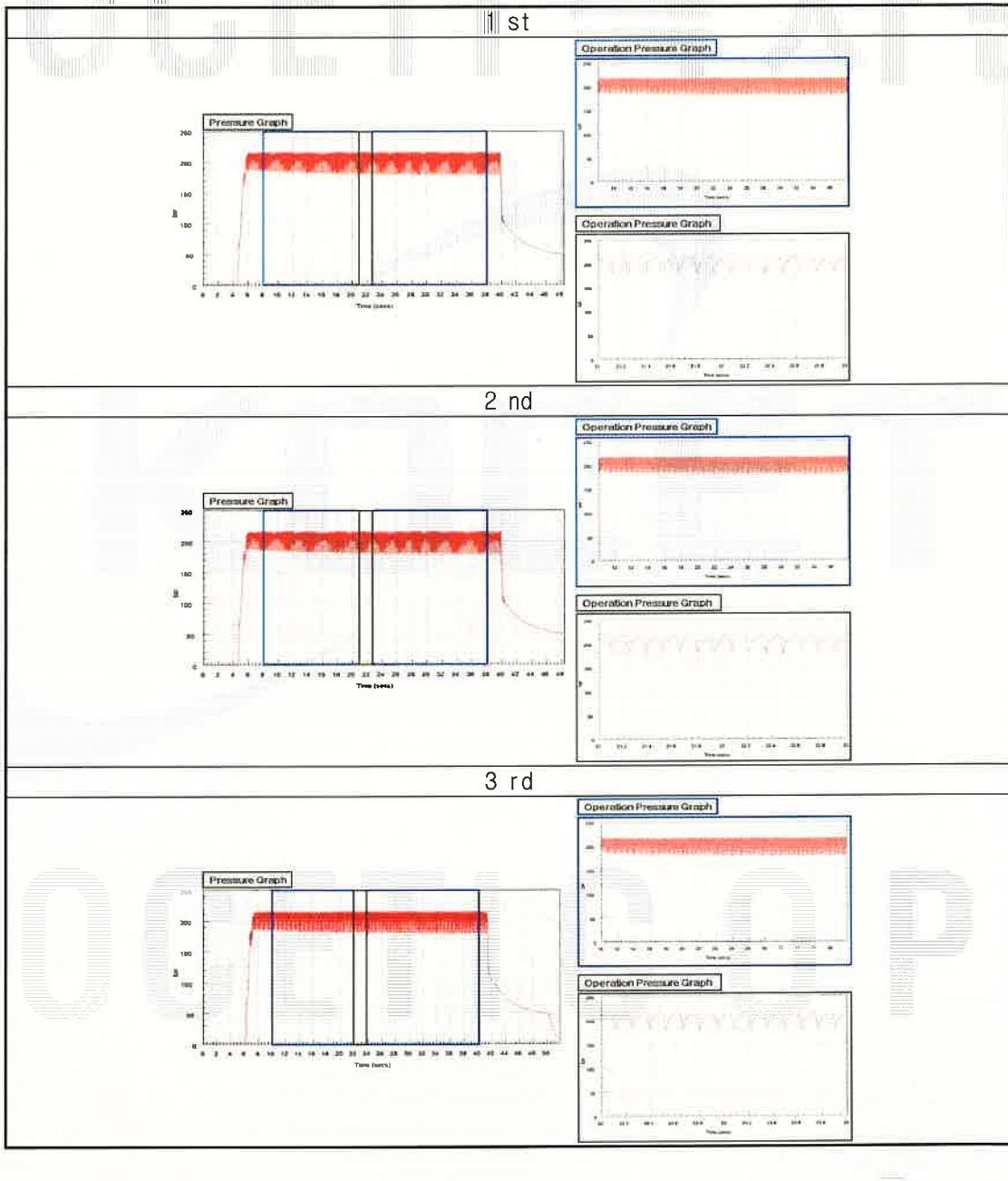


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6. Test Graph

6.1 Performance Test(Operation Pressure & BPM)



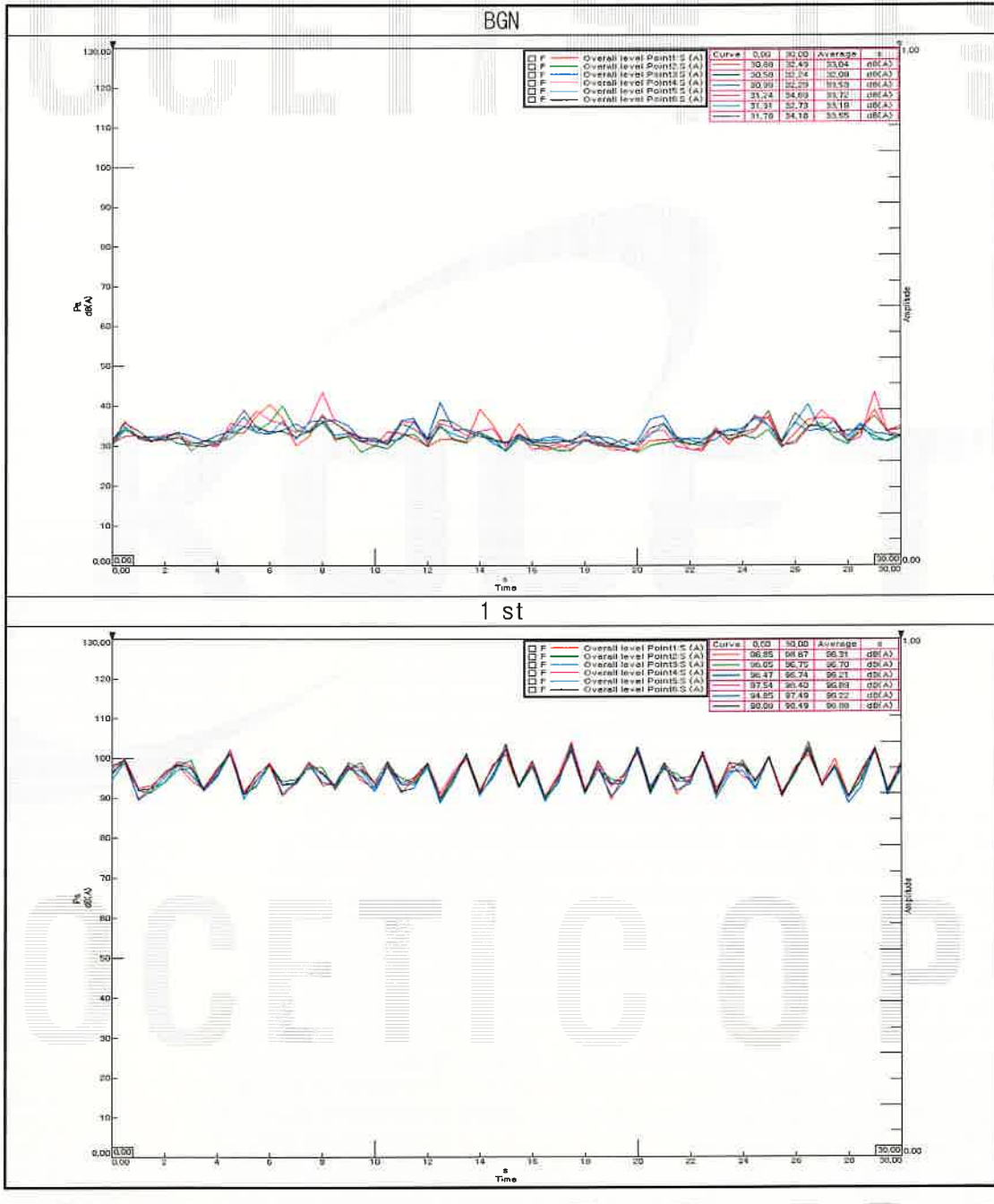
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6.2 Noise level Measurement (Overall) [dB(A)]



KCT-QPF-15-02(02)

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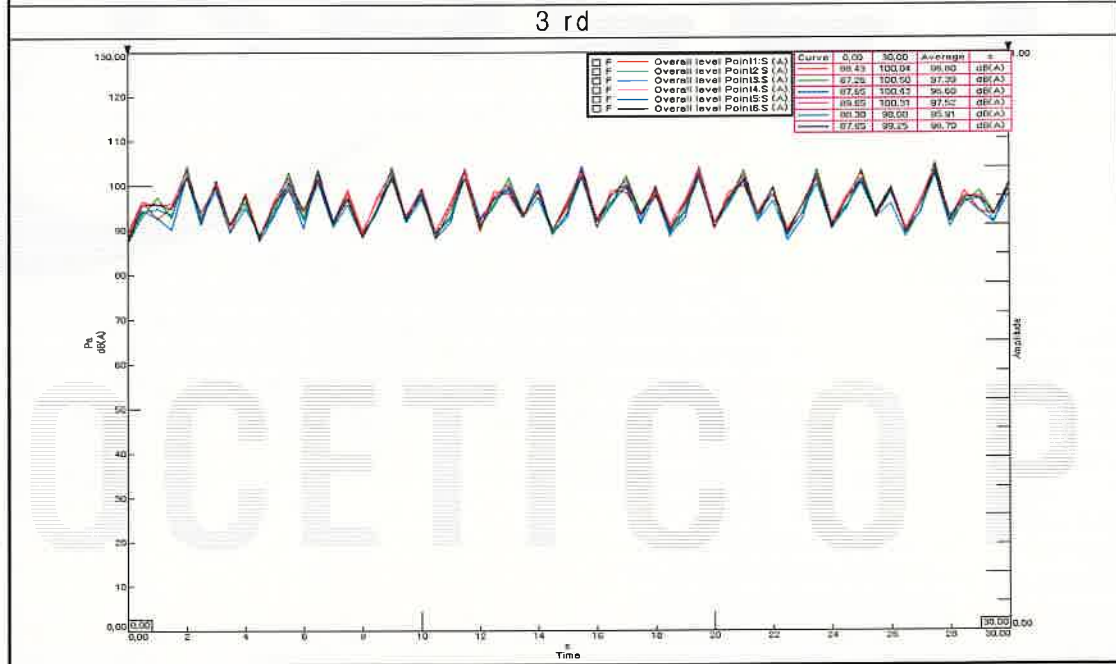
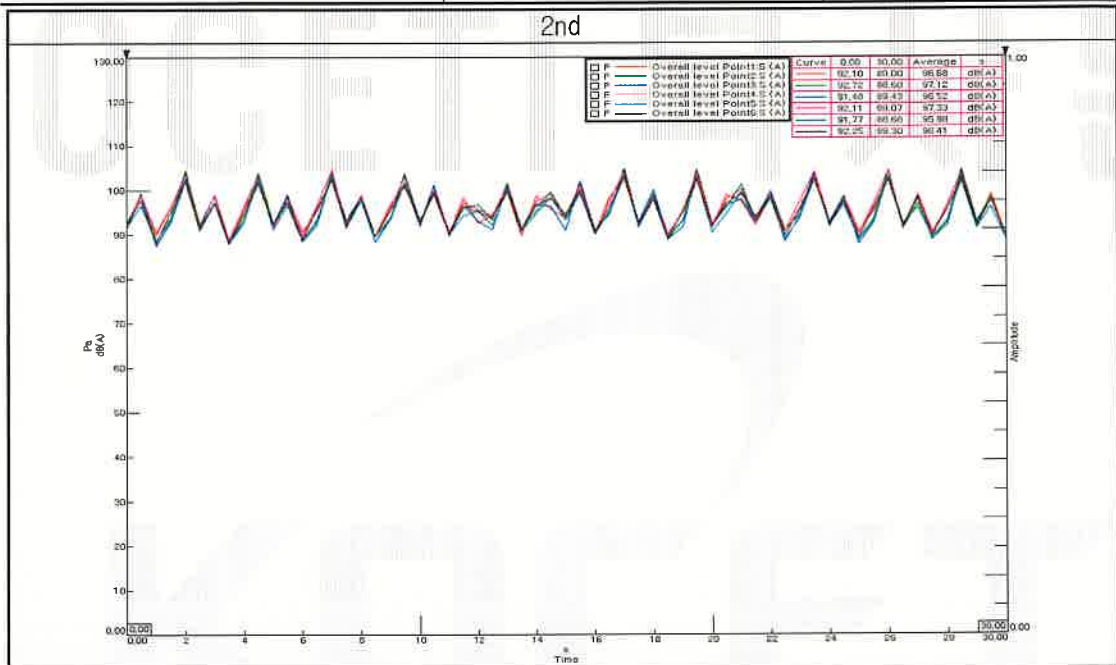


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7. Test Picture

7.1 Sample



7.2 Test Setup



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7.3 Measurement Environment

Wind Velocity, Temperature, Humidity



Excavator Engine Speed

