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May 9th, 2023

South Shelby RNG Memphis, TN

The following is a summary of findings from the monthly vibration survey that was performed on April 28th, 2023.

QualiTest® uses a four-step rating system for defects.

<u>Class I:</u> Defect is present, but effect on reliability is not clear; no immediate action is required. Continue to normally monitor.

<u>Class II:</u> Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

<u>Class III</u>; Defect (s) present that may cause failure in short term (less than 2 months). This should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.

<u>Class IV</u>; Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs

Hi-Speed Industrial Service tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed herein.

Defects

C-0600 A Feed Gas Compressor

High 1 x rpm vibration is still present in the compressor section but lower in amplitude this survey. Decrease from .8 to .55 ips-pk. The compressor may have an internal issue such as excessive shaft movement causing high 1 x drive rpm vibration. Piping may also be strained. It is recommended to perform lift check of compressor shaft during next major down time. Ensure piping is not strained. Rated as a **CLASS II** defect.

C-0600 B Feed Gas Compressor

Compressor vertical data is still showing some dominant 1 x, 4 and 8 x male rotor rpm vibration. Internal clearance issue or some other process or loading issue may be causing the 4-x rpm vibration and harmonics of 4 x that also seen in the compressor data. We will continue to monitor closely. Rated as a **CLASS II** defect.

C-0600 C Feed Gas Compressor

Motor has had an increase in 1 x rpm vibration. Compressor continues to have high harmonic vibrations that are related to 4 x the speed of the male rotor. For now, we recommend performing a hot alignment on the unit. Ensure motor does not have soft foot condition. Inspect coupling hubs and element also. Rated as a **CLASS II** defect.

BLR-0200 A, B, C, and D LFG Blowers

These blowers still have high amplitudes of acceleration (high frequency vibrations). Blower outboard axials are typically the highest amplitudes and may be process load related. Multiple harmonics at what appears to be 8 x blower rpm are present and is dominant in blower data. Amplitudes are as high as 80 g's peak to peak which is very high; however, this is likely a characteristic of this blowers' sliding vanes. We will continue to monitor closely. Rated as **CLASS I** defects for now.

Abbreviated Last Measurement Summary

Database: South Shelby RNG.rbm Area: SOUTH SHELBY PLANT

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
C-551B - C-551B VA	CUUM COMPRESSOR B (28	-Apr-23)
	OVERALL LEVEL	1K-20KHz
MOH	.083 In/Sec	.851 G-s
MOV	.072 In/Sec	.677 G-s
MIH	.099 In/Sec	1.652 G-s
MIV	.106 In/Sec	.743 G-s
MIA	.079 In/Sec	1.245 G-s
CIA	.220 In/Sec	1.549 G-s
CIH	.132 In/Sec	2.849 G-s
CIV	.221 In/Sec	1.178 G-s
СОН	.211 In/Sec	6.406 G-s
cov	.290 In/Sec	2.419 G-s
COA	.200 In/Sec	3.051 G-s
C-551A - C-551A VA	CUUM COMPRESSOR A (28	-Apr-23)
	OVERALL LEVEL	1K-20KHz
MOH	.063 In/Sec	1.019 G-s
MOV	.084 In/Sec	.698 G-s
MIH	.102 In/Sec	
MIV	.077 In/Sec	.440 G-s
MIA	.062 In/Sec	.348 G-s
CIA	.288 In/Sec	

CIH	.234 In/Sec	5.250 G-s
CIV	.273 In/Sec	
СОН	.238 In/Sec	
COV	.272 In/Sec	
COA	.274 In/Sec	3.003 G-s
C-601B -	- C-601B N2 RECYCLE COMP B	(28-Apr-23)
	OVERALL LEVEL	1K-20KHz
MOII	101 7-/0	206.6
MOH	.121 In/Sec	
MOV	.044 In/Sec	
MIH	.110 In/Sec	.671 G-s
MIV	.046 In/Sec	.331 G-s
MIA	.037 In/Sec	
CIA	.124 In/Sec	
CIH	.128 In/Sec	2.317 G-s
CIV	.133 In/Sec	1.452 G-s
C-601A	- C-601A N2 RECYCLE COMP A	(28-Apr-23)
	OVERALL LEVEL	_
14011		
MOH		1.074 G-s
VOM	.035 In/Sec	.572 G-s
MIH	.074 In/Sec	.829 G-s
MIV	.028 In/Sec	.269 G-s
MIA	.029 In/Sec	
CIA	.095 In/Sec	
CIH	.111 In/Sec	2.047 G-s
CIV	.154 In/Sec	.919 G-s
СОН	.117 In/Sec	
	.096 In/Sec	
COV		
COA	.122 In/Sec	.930 G-s
C-0600A -	- C-0600A FEED GAS COMP A	(28-Apr-23)
	OVERALL LEVEL	1K-20KHz
МОН	.151 In/Sec	
MOV	.157 In/Sec	
		.313 G-s
MIH	.138 In/Sec	.336 G-s
	.138 In/Sec .128 In/Sec	.336 G-s .318 G-s
MIH	.138 In/Sec .128 In/Sec	.336 G-s .318 G-s
MIH MIV MIA	.138 In/Sec .128 In/Sec	.336 G-s .318 G-s .102 G-s
MIH MIV MIA CIA	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s
MIH MIV MIA CIA CIH	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s
MIH MIV MIA CIA CIH CIV	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s
MIH MIV MIA CIA CIH	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s
MIH MIV MIA CIA CIH CIV	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s
MIH MIV MIA CIA CIH CIV COH COV	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .860 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s
MIH MIV MIA CIA CIH CIV COH COV COA	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .860 In/Sec .347 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s
MIH MIV MIA CIA CIH CIV COH COV	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .860 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .860 In/Sec .347 In/Sec .927 In/Sec	.336 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .860 In/Sec .347 In/Sec .927 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz
MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .860 In/Sec .347 In/Sec .927 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz
MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL .195 In/Sec .167 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL .195 In/Sec .167 In/Sec .249 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL .195 In/Sec .167 In/Sec .249 In/Sec .168 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL .195 In/Sec .167 In/Sec .249 In/Sec .168 In/Sec .092 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL .195 In/Sec .167 In/Sec .249 In/Sec .168 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL .195 In/Sec .167 In/Sec .249 In/Sec .168 In/Sec .092 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - C-0600B FEED GAS COMP B OVERALL LEVEL .195 In/Sec .167 In/Sec .249 In/Sec .168 In/Sec .092 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec .576 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec .576 In/Sec .389 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COOH COV	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec .329 In/Sec .576 In/Sec .389 In/Sec .688 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec .576 In/Sec .389 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COOH COV	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec .329 In/Sec .576 In/Sec .389 In/Sec .688 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec -0927 In/Sec .167 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec .329 In/Sec .389 In/Sec .389 In/Sec .688 In/Sec .688 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .221 In/Sec .329 In/Sec .329 In/Sec .389 In/Sec .389 In/Sec .688 In/Sec .146 In/Sec .146 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec .927 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600C	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec .927 In/Sec .168 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .249 In/Sec .249 In/Sec .168 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec .927 In/Sec - 0927 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s (28-Apr-23) 1K-20KHz .317 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec - 107 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s (28-Apr-23) 1K-20KHz .317 G-s .113 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec .927 In/Sec - 0927 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s (28-Apr-23) 1K-20KHz .317 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec - 107 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s (28-Apr-23) 1K-20KHz .317 G-s .113 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600C MOH MOV MIH MIV	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec - 107 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s (28-Apr-23) 1K-20KHz .317 G-s .113 G-s .694 G-s .465 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600C MOH MOV MIH MIV MIA	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .860 In/Sec .347 In/Sec .927 In/Sec -0927 In/Sec -0927 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .221 In/Sec .329 In/Sec .339 In/Sec .348 In/Sec .349 In/Sec .349 In/Sec .349 In/Sec .349 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s (28-Apr-23) 1K-20KHz .317 G-s .113 G-s .694 G-s .465 G-s .750 G-s
MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600B MOH MOV MIH MIV MIA CIA CIH CIV COH COV COA P1 C-0600C MOH MOV MIH MIV	.138 In/Sec .128 In/Sec .128 In/Sec .119 In/Sec .321 In/Sec .321 In/Sec .555 In/Sec .444 In/Sec .341 In/Sec .341 In/Sec .347 In/Sec .347 In/Sec .927 In/Sec - 0927 In/Sec - 107 In/Sec .167 In/Sec .168 In/Sec .168 In/Sec .168 In/Sec .249 In/Sec .221 In/Sec .329 In/Sec	.336 G-s .318 G-s .318 G-s .102 G-s 1.340 G-s 7.745 G-s 1.371 G-s 4.006 G-s 1.343 G-s 1.080 G-s 1.249 G-s (28-Apr-23) 1K-20KHz .419 G-s .329 G-s .839 G-s .294 G-s .326 G-s .857 G-s 5.797 G-s .453 G-s 2.211 G-s .485 G-s .973 G-s .570 G-s (28-Apr-23) 1K-20KHz .317 G-s .113 G-s .694 G-s .465 G-s

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.849 In/Sec
      COH
                            .482 In/Sec
                                           3.657 G-s
                            .691 In/Sec
      cov
                                           .973 G-s
                            .473 In/Sec
                                           1.114 G-s
      COA
                            .802 In/Sec
                                          1.523 G-s
      P1
                                   (28-Apr-23)
BLR-0200A - BLR-0200A LFG BLOWER A
                           OVERALL LEVEL
                                          1K-20KHz
                                           .835 G-s
      MOH
                            .088 In/Sec
                            .128 In/Sec
      MOV
                                            .388 G-s
                            .071 In/Sec
                                           1.381 G-s
      MIH
                                          .348 G-s
      MIV
                            .256 In/Sec
                            .146 In/Sec
      MIA
                                            .527 G-s
                            .262 In/Sec
                                           4.471 G-s
      BIA
      BIH
                            .682 In/Sec
                                           19.32 G-s
      BIV
                            .568 In/Sec
                                           4.722 G-s
                                    (28-Apr-23)
BLR-0200B - BLR-0200B LFG BLOWER B
                           OVERALL LEVEL 1K-20KHz
                            .088 In/Sec
                                           .840 G-s
      MOH
                            .108 In/Sec
                                            .370 G-s
      MOV
      MIH
                            .113 In/Sec
                                           .994 G-s
      MIV
                            .173 In/Sec
                                           .389 G-s
                            .186 In/Sec
      MIA
                                            .353 G-s
                            .296 In/Sec
                                          3.249 G-s
      BIA
                                         8.254 G-s
      BIH
                            .370 In/Sec
                                         3.573 G-s
10.78 G-s
      BIV
                            .506 In/Sec
                            .395 In/Sec
      BOH
                            .456 In/Sec
      BOV
                                           3.480 G-s
      BOA
                            .223 In/Sec
                                           3.633 G-s
BLR-0200C - BLR-0200C LFG BLOWER C (28-Apr-23)
                           OVERALL LEVEL
                                           1K-20KHz
                            .098 In/Sec
      MOH
                                           1.151 G-s
      MOV
                            .151 In/Sec
                                           .416 G-s
                            .089 In/Sec
                                          1.430 G-s
      MIH
                                          .323 G-s
      MIV
                            .182 In/Sec
                            .203 In/Sec
      MIA
                                            .421 G-s
                                           3.689 G-s
                            .424 In/Sec
      BIA
      BIH
                            .849 In/Sec
                                           20.19 G-s
                            .669 In/Sec
                                           4.052 G-s
      BIV
                            .672 In/Sec
      BOH
                                           13.21 G-s
                            .311 In/Sec
                                           1.859 G-s
      BOV
      BOA
                            .222 In/Sec
                                           3.200 G-s
C-1300 - C-1300 SALES GAS COMP STG 1 (28-Apr-23)
                           OVERALL LEVEL 1K-20KHz
                            .063 In/Sec
                                           1.194 G-s
      MOH
                            .141 In/Sec
      MOV
                                           .273 G-s
      MIH
                            .067 In/Sec
                                          1.817 G-s
      MIV
                            .282 In/Sec
                                           .326 G-s
                                           .370 G-s
      MIA
                            .175 In/Sec
                            .184 In/Sec
                                            .771 G-s
      CIA
                            .213 In/Sec
                                           4.115 G-s
      CIH
                            .213 In/Sec
                                           .532 G-s
      CIV
                            .147 In/Sec
      COH
                                           1.791 G-s
                                          .947 G-s
                            .301 In/Sec
      COV
      COA
                            .183 In/Sec
                                            .738 G-s
                                           3.182 G-s
      P1
                            .194 In/Sec
C-1304 - C-1304 SALES GAS COMP STG 2 (28-Apr-23)
                           OVERALL LEVEL
                                           1K-20KHz
                            .175 In/Sec
      MOH
                                            .842 G-s
                                           1.108 G-s
      MOV
                            .163 In/Sec
                            .168 In/Sec
      MIH
                                           .643 G-s
                                           .494 G-s
      MIV
                            .087 In/Sec
                            .101 In/Sec
      MIA
                                           .380 G-s
                            .121 In/Sec
      CIA
                                            .739 G-s
                                         1.831 G-s
      CIH
                            .162 In/Sec
                                           .425 G-s
                            .114 In/Sec
      CIV
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.929 G-s

СОН	.177 In/Sec	.577 G-s
COV	.216 In/Sec	.264 G-s
COA	.219 In/Sec	.255 G-s

Clarification Of Vibration Units:

Acc --> G-s RMS Vel --> In/Sec PK

As always, it has been a pleasure to serve South Shelby RNG. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

ISO Certified Vibration Analyst, Category III



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