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April 2, 2025

South Shelby RNG Memphis, TN

The following is a summary of findings from the March 2025 monthly vibration survey that was performed on March 28th, 2025.

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.

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

Class III; 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.

Class IV: 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.

C-551A Vacuum Compressor A

Compressor amplitudes are higher than normal when compressor is under load. Harmonics of 4 x rpm can be seen. Data indicates some internal wear of the compressor may be present. Monitoring this closely. Rated as a **CLASS II** defect.

C-0600 A Feed Gas Compressor

Compressor data is shows some high 1 x input rpm vibration especially in the vertical direction. Check compressor fasteners and ensure compressor does not have a soft foot or piping strain. Rated as a **CLASS I** defect.

C-0600 C Feed Gas Compressor

Compressor data still shows an extreme amount of 1 x input rpm (drive side rotor 1800 rpm) vibration in the compressor. Overall amplitude is the highest on record as of this survey measuring 2.17 ips-pk. A hot alignment was just recently performed on this compressor and the motor does not have excessive vibration. The piping was also vibrating at the highest on record. The compressor shaft could have excessive deflection due to bent shaft or excessive shaft movement. Imbalance of the compressor rotor could also be suspect of the high 1 x rpm vibration. The 1 x rpm vibration could be caused by some type of piping strain or compressor soft foot. Because of the high amplitude it is recommended to inspect the compressor for these issues asap. Also check compressor fasteners asap as this high vibration could loosen the foot bolts. Rated as a **CLASS IV** defect.

BLR-0200 A, LFG Blower MOTOR

Motor data is showing non-synchronous vibration, noise floor, and 1-20 kHz. amplitude. There are all indications of bearing issues in the motor. This could be a lube issue, but is more likely to be caused by defective motor bearings. Motor should be inspected as scheduling allows. Rated as a **CLASS II** defect.

BLR-0200 C and D LFG BLOWERS

Blower data indicates possible internal wear of the blowers. A and B have much less acceleration amplitudes and much less noise floor in spectral data. C and D have high acceleration amplitudes and high noise floor in spectra. Blowers may need attention in the next few months. Monitoring this closely. Rated as a **CLASS II** defect.

C-1300 Sales Gas Compressor Stage 1

Compressor drive end data shows some high frequency vibration peaks in the spectra that may be related to gear mesh frequency of the internal mating gears. Amplitude is slightly lower this survey, but these peaks are still present. We would need more internal information such as gear ratio and number of gear teeth to confirm issue. Rated as a **CLASS I** defect for now.

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

MEASUREMENT POI	NT OVERALL LEVEL	HFD / VHFD
C-551B - C-	551B VACUUM COMPRESSOR B	(28-Mar-25)
MOH		
MOH	.009 III/Sec	.737 G-S
MUV	105 In/Sec	1 544 C-s
MIN	.105 III/Sec	1.544 G-S
MIV	.092 III/Sec	.202 G-S
MIA	.000 III/Sec	.330 G-S
CIA	.199 In/Sec	1.698 G-S
CIH	.216 In/Sec	2.998 G-S
	.287 In/Sec	1.164 G-S
СОН	.302 In/Sec	3.272 G-S
COV	.299 In/Sec	.822 G-S
COA	.214 In/Sec	.780 G-S
C-551A - C-	551A VACUUM COMPRESSOR A	(28-Mar-25)
	OVERALL LEVEI	L 1K-20KHz
MOH	.066 In/Sec	2.047 G-s
MOV	.083 In/Sec	.426 G-s
MIH	.102 In/Sec	.910 G-s
MIV	.088 In/Sec	.308 G-s
MIA	.089 In/Sec	.267 G-s
CIA	.261 In/Sec	2.523 G-s
CIH	.290 In/Sec	4.915 G-s
CIV	.467 In/Sec	1.130 G-s
COH	.331 In/Sec	5.415 G-s
COV	.313 In/Sec	.911 G-s
COA	.304 In/Sec	1.190 G-s
C-601B - C-	601B N2 RECYCLE COMP B	(28-Mar-25)
	OVERALL LEVEI	1K-20KHz
MOH	.082 In/Sec	.816 G-s
MOV	.028 In/Sec	.251 G-s
MIH	.140 In/Sec	.763 G-s
MIV	.048 In/Sec	.172 G-s
MIA	.041 In/Sec	.153 G-s
CIA	.268 In/Sec	.760 G-s
CIH	.150 In/Sec	1.917 G-s
CIV	.358 In/Sec	.639 G-s
COH	.285 In/Sec	1.909 G-s
COV	.162 In/Sec	.770 G-s
COA	.133 In/Sec	.693 G-s
C-601A - C-	601A N2 RECYCLE COMP A	(28-Mar-25)
	OVERALL LEVEI	
MOH	.045 In/Sec	.869 G-S
MOV	.028 In/Sec	.668 G-S
MIH	.090 In/Sec	1.087 G-s
MIV	.035 In/Sec	.4/2 G-s
MIA	.032 In/Sec	.255 G-s
CIA	.096 In/Sec	.844 G-s
CIH	.083 In/Sec	2.422 G-s
CIV	.162 In/Sec	.367 G-s
СОН	.093 In/Sec	1.471 G-s
COV	.148 In/Sec	.570 G-s
COA	.102 In/Sec	.601 G-s
C-0600A - C-	0600A FEED GAS COMP A	(28-Mar-25)
	OVERALL LEVEI	1K-20KHz
MOH	.180 In/Sec	.524 G-s
MOV	.139 In/Sec	.109 G-s

MTH		106 T= /0	604 0 -
MIH		.186 In/Sec	.604 G-S
MIV		.121 In/Sec	.239 G-s
MIA		.080 In/Sec	.161 G-s
CIA		.340 In/Sec	.774 G-s
CTH		402 Tp/Soc	1 579 C-s
0111		.402 III/Sec	1.379 G-3
CIV		./94 In/Sec	.513 G-s
COH		.396 In/Sec	1.489 G-s
COV		.548 In/Sec	.443 G-s
COA		244 In/Sec	815 G-s
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0.0000			0 Mar 05)
C-0600B	- C-0600B FEED	GAS COMP B (2	8-Mar-25)
		OVERALL LEVEL	1K-20KHz
MOH		.091 In/Sec	.484 G-s
MOV		.181 In/Sec	.106 G-s
мтн		091 Tr/Sec	849 G-s
MIII		100 In/Sec	.045 G 5
MIV		.109 IN/Sec	.325 G-8
MIA		.065 In/Sec	.298 G-s
CIA		.214 In/Sec	.587 G-s
CIH		.236 In/Sec	2.562 G-s
сту		538 Th/Sec	451 G-s
C110		280 In/Sec	2 169 0 5
COH		.280 IN/Sec	3.100 G-S
COV		.422 In/Sec	.902 G-s
COA		.222 In/Sec	.874 G-s
C-0600C	- C-0600C FEED	GAS COMP C (2	8-Mar-25)
0 00000			1 x 00 x x -
		OVERALL LEVEL	IK-ZUKHZ
MOH		.306 In/Sec	.209 G-s
MOV		.144 In/Sec	.092 G-s
MIH		.432 In/Sec	.702 G-s
мту		149 Tp/Sec	242 C-s
MIV		161 Ta (Gas	.242 G 3
MIA		.161 in/Sec	.441 G-s
CIA		.332 In/Sec	1.062 G-s
CIH		2.901 In/Sec	4.064 G-s
CIV			
		2.500 In/Sec	.582 G-s
COM		2.500 In/Sec	.582 G-s
СОН		2.500 In/Sec 2.118 In/Sec	.582 G-s 2.438 G-s
COH		2.500 In/Sec 2.118 In/Sec 1.598 In/Sec	.582 G-s 2.438 G-s .610 G-s
COH COV COA		2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s
COH COV COA		2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s
COH COV COA BLR-0200A	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2)	.582 G-s 2.438 G-s .610 G-s .703 G-s
COH COV COA BLR-0200A	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz
COH COV COA BLR-0200A	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL 106 Jp (Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s :8-Mar-25) 1K-20KHz
COH COV COA BLR-0200A MOH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s
COH COV COA BLR-0200A MOH MOV	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s
COH COV COA BLR-0200A MOH MOV MIH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec .117 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIV	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec .117 In/Sec 116 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s 782 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA DIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .117 In/Sec .116 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec .117 In/Sec .116 In/Sec .202 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .117 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIA BIH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIA BIA BIH BIV BOH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .183 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIH BIV BOH BOH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .183 In/Sec .216 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOV	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .276 In/Sec .183 In/Sec .216 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .216 In/Sec .081 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH BOV BOA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .117 In/Sec .116 In/Sec .202 In/Sec .276 In/Sec .183 In/Sec .216 In/Sec .081 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIA BIA BIA BOV BOA BLR-0200B	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .276 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIA BIA BIA BOV BOA BLR-0200B	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .276 In/Sec .216 In/Sec .081 In/Sec .081 In/Sec .081 In/Sec .081 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s .555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8-Mar-25) 1K-20KHz
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA BLR-0200B MOH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .081 In/Sec .081 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .689 G-s .8-Mar-25) 1K-20KHz 2.179 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA BLR-0200B MOH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .183 In/Sec .216 In/Sec .081 In/Sec .081 In/Sec .144 In/Sec .144 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8-Mar-25) 1K-20KHz 2.179 G-s
COH COV COA BLR-0200A MOH MIN MIN MIN BIA BIA BIH BIV BOH BOV BOA BLR-0200B MOH MOH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .183 In/Sec .216 In/Sec .081 In/Sec .081 In/Sec .091 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8-Mar-25) 1K-20KHz 2.179 G-s .358 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIA BIA BIH BIV BOA BLR-0200B MOH MOV MIH	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .183 In/Sec .216 In/Sec .081 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8-Mar-25) 1K-20KHz 2.179 G-s .358 G-s 3.128 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIA BIA BIA BIA BOV BOA BLR-0200B MOH MOV MIH MIV	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .276 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .081 In/Sec .114 In/Sec .091 In/Sec .177 In/Sec .176 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8-Mar-25) 1K-20KHz 2.179 G-s .358 G-s 3.128 G-s .466 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .276 In/Sec .276 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .124 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .703 G-s .705 G-s .551 G-s .551 G-s .555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .858 G-s 3.128 G-s .466 G-s .969 G-s
COH COV COA BLR-0200A MOH MIN MIN MIN BIA BIA BIH BIV BOA BOA BLR-0200B MOH MOV MIH MIV MIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec .124 In/Sec .181 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIH BIV BOH BOY BOA BLR-0200B MOH MOY MIH MIV MIA BIA CU	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .216 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec .124 In/Sec .181 In/Sec .211 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1770 C-5
COH COV COA BLR-0200A MOH MOV MIH BIA BIH BIV BOH BOV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .117 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .216 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec .124 In/Sec .181 In/Sec .211 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV BIA BIH BIV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .202 In/Sec .216 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec .174 In/Sec .124 In/Sec .181 In/Sec .211 In/Sec .491 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .403 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIA BIA BOV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .276 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .124 In/Sec .124 In/Sec .181 In/Sec .211 In/Sec .491 In/Sec .491 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .814 G-s 4.092 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s 1.367 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV BIA BIA BIA BOV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec .117 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .124 In/Sec .181 In/Sec .211 In/Sec .491 In/Sec .440 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .703 G-s .703 G-s .703 G-s .551 G-s .551 G-s .555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .403 G-s 1.367 G-s .416 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV BOH BOV BOA BLR-0200B BLR-0200B MOH MOV MIH MIV MIA BLR-0200B	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .216 In/Sec .081 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .181 In/Sec .181 In/Sec .211 In/Sec .153 In/Sec .440 In/Sec .185 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8-Mar-25) 1K-20KHz 2.179 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s 1.367 G-s .416 G-s .550 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIA BIA BOV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA BIA B	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .091 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .181 In/Sec .181 In/Sec .211 In/Sec .440 In/Sec .185 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s 3.333 G-s .679 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s 1.367 G-s .416 G-s .550 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIA BIH BIV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA BIA B	- BLR-0200A LF	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .276 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .081 In/Sec .177 In/Sec .176 In/Sec .124 In/Sec .181 In/Sec .181 In/Sec .181 In/Sec .181 In/Sec .183 In/Sec .181 In/Sec .181 In/Sec .183 In/Sec .181 In/Sec .181 In/Sec .185 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .703 G-s .703 G-s .703 G-s .551 G-s .551 G-s .555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s 1.367 G-s .416 G-s .550 G-s
COH COV COA BLR-0200A MOH MOV MIH MIV MIA BIA BIH BIV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIH BIV BOA BLR-0200C	 BLR-0200A LF BLR-0200B LF BLR-0200C LF 	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .202 In/Sec .216 In/Sec .216 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .177 In/Sec .177 In/Sec .176 In/Sec .124 In/Sec .124 In/Sec .153 In/Sec .440 In/Sec .185 In/Sec .26 BLOWER C (2	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .703 G-s .703 G-s .703 G-s .551 G-s .551 G-s .551 G-s .551 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s 1.367 G-s .416 G-s .550 G-s .88-Mar-25)
COH COV COA BLR-0200A MOH MOV MIH MIV BIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	 BLR-0200A LF BLR-0200B LF BLR-0200C LF 	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .116 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .202 In/Sec .216 In/Sec .216 In/Sec .216 In/Sec .216 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .176 In/Sec .124 In/Sec .124 In/Sec .181 In/Sec .153 In/Sec .440 In/Sec .185 In/Sec .185 In/Sec .202 OVERALL LEVEL	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s 1.367 G-s .416 G-s .550 G-s .8-Mar-25) 1K-20KHz
COH COV COA BLR-0200A MOH MOV MIH MIV BIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	 BLR-0200A LF BLR-0200B LF BLR-0200C LF 	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .144 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .202 In/Sec .202 In/Sec .216 In/Sec .216 In/Sec .216 In/Sec .081 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .124 In/Sec .124 In/Sec .181 In/Sec .181 In/Sec .153 In/Sec .440 In/Sec .185 In/Sec G BLOWER C (2 OVERALL LEVEL .069 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .703 G-s .703 G-s .703 G-s .551 G-s .551 G-s .551 G-s .555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s .333 G-s .679 G-s .689 G-s .358 G-s 3.128 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s .416 G-s .550 G-s .878-Mar-25) 1K-20KHz 1.367 G-s .416 G-s .550 G-s .416 G-s .550 G-s
COH COV COA BLR-0200A MOH MOV MIH BIA BIA BIA BIA BOV BOA BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA BIA B	 BLR-0200A LF BLR-0200B LF BLR-0200C LF 	2.500 In/Sec 2.118 In/Sec 1.598 In/Sec 1.368 In/Sec G BLOWER A (2 OVERALL LEVEL .106 In/Sec .114 In/Sec .114 In/Sec .144 In/Sec .116 In/Sec .202 In/Sec .469 In/Sec .216 In/Sec .216 In/Sec .183 In/Sec .216 In/Sec .177 In/Sec .177 In/Sec .176 In/Sec .176 In/Sec .124 In/Sec .181 In/Sec .181 In/Sec .153 In/Sec .440 In/Sec .185 In/Sec G BLOWER C (2 OVERALL LEVEL .069 In/Sec .114 In/Sec	.582 G-s 2.438 G-s .610 G-s .703 G-s .703 G-s .8-Mar-25) 1K-20KHz 2.065 G-s .551 G-s 3.555 G-s .464 G-s .782 G-s .814 G-s 4.092 G-s .991 G-s 3.333 G-s .679 G-s .689 G-s .8-Mar-25) 1K-20KHz 2.179 G-s .466 G-s .969 G-s .419 G-s 1.779 G-s .403 G-s 1.367 G-s .416 G-s .550 G-s .8-Mar-25) 1K-20KHz 1.367 G-s .416 G-s .550 G-s .8-Mar-25) 1K-20KHz 1.003 G-s .291 G-s

MIH	.084 In/Sec	1.308 G-s	
MIV	.130 In/Sec	.257 G-s	
MIA	.183 In/Sec	.270 G-s	
BIA	.274 In/Sec	2.373 G-s	
BIH	.599 In/Sec	15.63 G-s	
BIV	.281 In/Sec	2.683 G-s	
BOH	.714 In/Sec	19.82 G-s	
BOV	294 Tn/Sec	3 808 6-8	
BOA	240 Tn/Sec	2872 G-s	
Don	.240 11,000	2.072 6 5	
BID-0200D - BID-020		$R = M_{2} \times (25)$	
BLR-0200D - BLR-020	OUTEDALL LEVEL	1 20 20 20 20 20 20 20 20 20 20 20 20 20	
Nor	OVERALL LEVEL	1 600 6	
MOH	.066 In/Sec	1.628 G-s	
MOV	.068 In/Sec	.416 G-s	
MIH	.079 In/Sec	2.466 G-s	
MIV	.155 In/Sec	.486 G-s	
MIA	.070 In/Sec	.648 G-s	
BIA	.195 In/Sec	2.648 G-s	
BIH	.520 In/Sec	20.89 G-s	
BIV	.313 In/Sec	3.088 G-s	
BOH	.406 In/Sec	13.40 G-s	
BOV	.287 In/Sec	2.380 G-s	
BOA	.191 In/Sec	2.336 G-s	
	· · · · · · · · · · · · · · · · · · ·		
C = 1300 - C = 1300	SALES GAS COMP STG 1 (2	8-Mar-25)	
	OVERALL LEVEL	1K-20KHz	
MOH		421 C-s	
MON	125 TR/Sec	.421 G-S	
MOV	.125 IN/Sec	.087 G-S	
MIH	.055 IN/Sec	.3/4 G-S	
MIV	.298 In/Sec	.102 G-S	
MIA	.117 In/Sec	.142 G-s	
CIA	.225 In/Sec	.634 G-s	
CIH	.249 In/Sec	3.123 G-s	
CIV	.286 In/Sec	.696 G-s	
COH	.175 In/Sec	2.104 G-s	
COV	.240 In/Sec	1.089 G-s	
COA	.192 In/Sec	.623 G-s	
C-1304 - C-1304	SALES GAS COMP STG 2 (2	8-Mar-25)	
	OVERALL LEVEL	1K-20KHz	
MOH	.135 In/Sec	.791 G-s	
MOV	.086 In/Sec	.544 G-s	
MIH	.142 In/Sec	.930 G-s	
MIV	.082 In/Sec	.486 G-s	
MIA	.105 In/Sec	.185 G-s	
CIA	.242 In/Sec	.189 G-s	
CIH	.225 Tn/Sec	.619 G-s	
CIV	143 Tr/Sec	214 C-e	
COH	260 Tn/Sec	444 C-e	
COV	194 Tr/Sec	.111 G-5 272 C-6	
	120 To/Coo	213 0-5	
	.130 III/Sec	.213 G-8	
15H	.216 In/Sec	.459 G-S	
ISV	.244 In/Sec	.130 G-s	
ISA	.275 In/Sec	.149 G-s	
2SH	.252 In/Sec	.692 G-s	
2SV	.313 In/Sec	.288 G-s	
2SA	.306 In/Sec	.250 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,

Kevin W. Maxuell

ISO Certified Vibration Analyst, Category III



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