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February 8, 2024

South Shelby RNG Memphis, TN

The following is a summary of findings from the monthly vibration survey that was performed on February 8, 2024.

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-0600 A Feed Gas Compressor

Compressor vibration was much lower this survey. This may be due to change in load. For now, we will continue to monitor this closely. Rated as a **CLASS I** defect.

C-0600 B Feed Gas Compressor

Compressor vertical data continues to show 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. Inlet piping is also showing an increase in vibration this survey. Well over 1 ips overall which is considered high amplitude. We will continue to monitor closely. Rated as a **CLASS II** defect.

C-0600 C Feed Gas Compressor

Motor continues to have higher than normal 1 x motor rpm vibration. Compressor data shows high harmonic vibrations that are related to 1 x male rotor and 4 x rpm 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 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 68 g's peak to peakin waveform data. This is likely a characteristic of this blowers' sliding vanes. We will continue to monitor closely. Rated as **CLASS I** defects for now.

C-1300 Sales Gas Compressor Stage 1

Compressor drive end data shows some high frequency vibration 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 need more internal information such as gear ratio and number of gear teeth to confirm issue. Rated as a **CLASS I** defect for now.

Abbreviated Last Measurement Summary ************************************	
Database: South Shelby RNG.rbm Area: SOUTH SHELBY PLANT Route No. 1: SOUTH SHELBY	
MEASUREMENT POINT OVERALL LEVEL HFD / V	HFD
C-551B - C-551B VACUUM COMPRESSOR B (08-Feb-24)	
MOH 055 Tr/Sec 903 G-	-
MON	-
MTH 114 Tp/Sec 1 988 G-	5
MIN .114 IN/Sec 1.900 G-	э е
MIN .100 III/Sec .333 G	-
CIA 262 In/Sec 1 016 G-	-
CTH 164 Tr/Sec 3 347 G-	-
274 In/Sec 1 079 G	- -

C	СОН	.298	In/Sec	8.510 G-s
c	cov	.204	In/Sec	1.124 G-s
c	COA	.162	! In/Sec	2.017 G-s
C-551A	-	C-551A VACUUM COMPRESS	OR A (08-1	Feb-24)
		OVERA	LL LEVEL	1K-20KHz
M	10H	.057	In/Sec	1.578 G-s
M	10V	.070) In/Sec	.254 G-s
M	1IH	.109) In/Sec	1.215 G-s
M	1IV	.083] In/Sec	.406 G-s
M	1IA	.077	In/Sec	.394 G-s
c	CIA	.279) In/Sec	.621 G-s
c	CIH	.200) In/Sec	1.999 G-s
c	liv	. 351	. In/Sec	.376 G-s
c	СОН	.252	In/Sec	5.100 G-s
Ċ	ov	. 151	In/Sec	.817 G-s
Ċ	COA	. 151	In/Sec	1.295 G-s
-			,	
C-601B	_	C-601B N2 BECYCLE COME	рв (08-т	7eb-24)
0 0012		OVERA	T.T. T.EVET.	1K-20KHz
N	ЮН	143	Tn/Sec	593 G-s
N	1011	048	Tn/Sec	225 G-s
I.	10 V 17 U	123	Th/Sec	.225 G 3
I.	4111	. 123	Th/Sec	.815 G-S
I.	41 V 47 7	. 034	IN/Sec	.219 G-S
M	11A	.041	. in/sec	.1/0 G-S
		.126	in/Sec	.545 G-S
C	.TH	.108	in/Sec	1./3/ G-s
C	SIV	.198	In/Sec	.300 G-s
C	СОН	. 094	In/Sec	2.957 G-s
C	cov	.119	In/Sec	.614 G-s
C	COA	.083	In/Sec	.691 G-s
C-601A	-	C-601A N2 RECYCLE COME	A (08-1	[eb-24]
		OVERA	LL LEVEL	1K-20KHz
M	10H	.045	5 In/Sec	.777 G-s
M	10V	.026	i In/Sec	.471 G-s
M	1IH	.090	In/Sec	.820 G-s
M	1IV	.042	In/Sec	.221 G-s
M	IIA	.030) In/Sec	.175 G-s
c	CIA	.116	i In/Sec	.595 G-s
c	CIH	.078	In/Sec	1.347 G-s
C	CIV	.143] In/Sec	.277 G-s
C	сон	.106	j In/Sec	1.363 G-s
C	cov	. 098] In/Sec	.624 G-s
C	COA	. 097	In/Sec	.555 G-s
C-0600A	-	C-0600A FEED GAS COMP	A (08-J	Feb-24)
		OVERA	LL LEVEL	1K-20KHz
M	10H	.093] In/Sec	.432 G-s
M	10V	.081	. In/Sec	.162 G-s
M	1IH	.082	ln/Sec	.847 G-s
M	1 IV	.091	In/Sec	.154 G-s
M	1 IA	.052	In/Sec	.125 G-s
c	CIA	. 399) In/Sec	.326 G-s
c	ТН	.269) In/Sec	1.460 G-s
Ċ	TV	. 631	In/Sec	.275 G-s
Ċ	СОН	.239	In/Sec	2.314 G-s
Ċ	cov	. 376	In/Sec	.551 G-s
Ċ	COA	. 383	In/Sec	.485 G-s
	5011	341	In/Sec	1 278 C-s
-	-	.541	III/ Sec	1.2/0 9 3
C-0600P	_	C-0600B EFFD CAS COMP	B (09-1	$r_{ob}-24$
C 0000B	_	C COUL FEED GAS COMP		1K-20Ku-
	10H			422 C-C
I.	1017	. 103		.422 G-S
M.	10 V 17 H	. 188		010 0 -
M	411	. 199	, III/SEC	.910 G-S
M	4 T 7	.212		.229 G-S
M	11A	.085	IN/Sec	.203 G-s
C		.153	in/Sec	.4/0 G-s
C	ΞH	. 342	in/Sec	5.790 G-s

CIV		.452 In/Sec	.465 G-s			
COH		.322 In/Sec	1.624 G-s			
COV		.506 In/Sec	.528 G-s			
COA		.347 In/Sec	.610 G-s			
P1		.912 In/Sec	.618 G-s			
C-0600C	- C-0600C FEED GAS	COMP C (08	3-Feb-24)			
		OVERALL LEVEL	1K-20KHz			
MOH		.571 In/Sec	.388 G-s			
MOV		.327 In/Sec	.077 G-s			
MIH		.527 In/Sec	.443 G-s			
MIV		.139 In/Sec	.071 G-s			
МТА		201 In/Sec	278 G-s			
СТА		605 Tn/Sec	830 G-s			
СТН		606 Tn/Sec	6 335 G-s			
CTV		720 Tr/Sec	786 6-8			
CIV		565 Tp/Sec	2 690 C-C			
COH		.565 In/Sec	3.000 G-S			
COV		1.042 In/Sec	.983 G-S			
COA		.892 In/Sec	.908 G-s			
Pl		.882 In/Sec	.776 G-s			
BLR-0200A	- BLR-0200A LFG BL	OWER A (US	3-Feb-24)			
		OVERALL LEVEL	1K-20KHz			
MOH		.105 In/Sec	.847 G-s			
MOV		.087 In/Sec	.255 G-s			
MIH		.069 In/Sec	1.167 G-s			
MIV		.153 In/Sec	.166 G-s			
MIA		.051 In/Sec	.376 G-s			
BIA		.160 In/Sec	2.718 G-s			
BIH		.388 In/Sec	18.19 G-s			
BIV		.343 In/Sec	3.327 G-s			
вон		494 In/Sec	19.34 G-s			
BOV		.317 In/Sec	2.869 G-s			
BOA		224 In/Sec	2 371 G-s			
2011			2.0/2 0 0			
BLR-0200B	- BLR-0200B LEG BL	OWER B (OS	3-Feb-24)			
BLR-0200B	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL	3-Feb-24) 1K-20KHz			
BLR-0200B	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL 079 In/Sec	3-Feb-24) 1K-20KHz 1 908 G-s			
BLR-0200B MOH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec 074 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s 418 G-s			
BLR-0200B MOH MOV MTH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec 146 In/Sec	8-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s			
BLR-0200B MOH MOV MIH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec	8-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s			
BLR-0200B MOH MOV MIH MIV	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec	8-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s			
BLR-0200B MOH MOV MIH MIV MIA	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .084 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.642 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BIH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .602 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .602 In/Sec .381 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH BOV	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH BOV BOA	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH BOY BOA	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec	3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA BLR-0200C	 BLR-0200B LFG BLA BLR-0200C LFG BLA 	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .602 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .158 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24)			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH BOY BOA BLR-0200C	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .158 In/Sec .099 In/Sec .158 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BIV BOH BOY BOA BLR-0200C MOH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec OVERALL LEVEL .116 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BOV BOA BLR-0200C MOH MOV	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .361 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .084 In/Sec .158 In/Sec .158 In/Sec OWER C (08 OVERALL LEVEL .116 In/Sec .095 In/Sec .095 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIA BOV BOA BLR-0200C MOH MOV MIH	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .361 In/Sec .509 In/Sec .158 In/Sec .00WER C (08 OVERALL LEVEL .116 In/Sec .095 In/Sec .111 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s			
BLR-0200B MOH MOV MIH MIV BIA BIA BIA BIA BIA BIA BOV BOA BLR-0200C MOH MOV MIH MIV	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .361 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .008 OVERALL LEVEL .116 In/Sec .095 In/Sec .111 In/Sec .102 In/Sec .102 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BIV BOA BOA BLR-0200C MOH MOV MIH MIV	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec OWER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .068 In/Sec .068 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA	- BLR-02008 LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .361 In/Sec .509 In/Sec .158 In/Sec OWER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .102 In/Sec .068 In/Sec .231 In/Sec .231 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s 2.425 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BOV BOA BLR-0200C BLR-0200C MOH MOV MIH MIV MIA BIA BIA	- BLR-02008 LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .084 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .381 In/Sec .158 In/Sec .158 In/Sec .00WER C (08 OVERALL LEVEL .116 In/Sec .102 In/Sec .102 In/Sec .102 In/Sec .231 In/Sec .231 In/Sec .507 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIA BIV BOA BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA	- BLR-02008 LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .185 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .381 In/Sec .158 In/Sec .099 In/Sec .116 In/Sec .095 In/Sec .111 In/Sec .102 In/Sec .068 In/Sec .231 In/Sec .507 In/Sec .446 In/Sec .446 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s			
BLR-0200B MOH MOV MIH MIV BIA BIA BIH BIV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA	- BLR-02008 LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .185 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .361 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .008 OVERALL LEVEL .116 In/Sec .102 In/Sec .102 In/Sec .102 In/Sec .231 In/Sec .507 In/Sec .446 In/Sec .636 In/Sec .636 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BOV BOA BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA	- BLR-0200B LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .185 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .158 In/Sec OWER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .068 In/Sec .231 In/Sec .507 In/Sec .446 In/Sec .464 In/Sec .464 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.020 G-s .274 G-s 1.020 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s			
BLR-0200B MOH MOY MIH MIV MIA BIA BIH BOY BOA BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIH BOH BOH BOH BOA	- BLR-02008 LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .185 In/Sec .084 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .158 In/Sec OWER C (08 OVERALL LEVEL .116 In/Sec .112 In/Sec .102 In/Sec .068 In/Sec .231 In/Sec .507 In/Sec .446 In/Sec .636 In/Sec .464 In/Sec .464 In/Sec .177 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.492 G-s 2.139 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BIV BOH BOY BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA BIA	- BLR-02008 LFG BL	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .185 In/Sec .084 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .008 OVERALL LEVEL .116 In/Sec .095 In/Sec .111 In/Sec .102 In/Sec .068 In/Sec .231 In/Sec .507 In/Sec .446 In/Sec .636 In/Sec .464 In/Sec .177 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s 2.492 G-s 2.139 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIN BOH BOY BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA C-1300	- BLR-0200B LFG BLA - BLR-0200C LFG BLA - C-1300 SALES GAS	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .185 In/Sec .084 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .00VER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .068 In/Sec .231 In/Sec .507 In/Sec .464 In/Sec .636 In/Sec .464 In/Sec .177 In/Sec .008	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.020 G-s .274 G-s 1.020 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.139 G-s 3-Feb-24)			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BIV BOH BOH BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA C-1300	 BLR-0200B LFG BLA BLR-0200C LFG BLA C-1300 SALES GAS 	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .146 In/Sec .146 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .509 In/Sec .158 In/Sec .008 OVERALL LEVEL .116 In/Sec .095 In/Sec .111 In/Sec .102 In/Sec .068 In/Sec .231 In/Sec .507 In/Sec .466 In/Sec .464 In/Sec .177 In/Sec COMP STG 1 OVERALL LEVEL .008	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.020 G-s .274 G-s 1.020 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.139 G-s 3-Feb-24) 1K-20KHz			
BLR-0200B MOH MOY MIH MIV MIA BIA BIN BOY BOA BLR-0200C BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA C-1300	 BLR-0200B LFG BLA BLR-0200C LFG BLA C-1300 SALES GAS 	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec OWER C (08 OVERALL LEVEL .116 In/Sec .116 In/Sec .095 In/Sec .111 In/Sec .102 In/Sec .068 In/Sec .446 In/Sec .507 In/Sec .446 In/Sec .636 In/Sec .464 In/Sec .177 In/Sec .068 In/Sec .068 In/Sec .068 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.139 G-s 3-Feb-24) 1K-20KHz .407 G-s			
BLR-0200B MOH MOY MIH MIV MIA BIA BIN BOY BOA BLR-0200C BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIA BIA BIA BIA C-1300	 BLR-0200B LFG BLA BLR-0200C LFG BLA C-1300 SALES GAS 	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec OWER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .005 In/Sec .111 In/Sec .102 In/Sec .507 In/Sec .446 In/Sec .507 In/Sec .446 In/Sec .177 In/Sec .068 In/Sec .138 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.139 G-s 2.139 G-s 3-Feb-24) 1K-20KHz .407 G-s .074 G-s			
BLR-0200B MOH MOY MIH MIV MIA BIA BIN BON BON BON BLR-0200C MOH MOV MIH BIN BIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	- BLR-0200B LFG BL - BLR-0200C LFG BL - C-1300 SALES GAS	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .00WER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .102 In/Sec .111 In/Sec .102 In/Sec .507 In/Sec .446 In/Sec .507 In/Sec .446 In/Sec .177 In/Sec .068 In/Sec .138 In/Sec .068 In/Sec .138 In/Sec .057 In/Sec .057 In/Sec	B-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s B-Feb-24) 1K-20KHz 1.040 G-s .274 G-s 1.020 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.139 G-s 3-Feb-24) 1K-20KHz .407 G-s .074 G-s .074 G-s .396 G-s			
BLR-0200B MOH MOV MIH MIV MIA BIA BIH BOV BOA BLR-0200C MOH MOV MIH BIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	 BLR-0200B LFG BLA BLR-0200C LFG BLA C-1300 SALES GAS 	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .008 OWER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .102 In/Sec .111 In/Sec .102 In/Sec .507 In/Sec .231 In/Sec .507 In/Sec .446 In/Sec .636 In/Sec .464 In/Sec .177 In/Sec .068 In/Sec .138 In/Sec .068 In/Sec .138 In/Sec .057 In/Sec .255 In/Sec	 3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s 3-Feb-24) 1K-20KHz 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.139 G-s 3-Feb-24) 1K-20KHz .407 G-s .074 G-s .396 G-s .072 G-s 			
BLR-0200B MOH MOV MIH MIV MIA BIA BIN BON BOA BLR-0200C MOH MOV MIH BIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	 BLR-0200B LFG BLA BLR-0200C LFG BLA C-1300 SALES GAS 	OWER B (08 OVERALL LEVEL .079 In/Sec .079 In/Sec .074 In/Sec .074 In/Sec .146 In/Sec .124 In/Sec .124 In/Sec .124 In/Sec .084 In/Sec .185 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .367 In/Sec .381 In/Sec .509 In/Sec .158 In/Sec .008 OWER C (08 OVERALL LEVEL .116 In/Sec .111 In/Sec .102 In/Sec .102 In/Sec .111 In/Sec .102 In/Sec .507 In/Sec .507 In/Sec .446 In/Sec .636 In/Sec .464 In/Sec .177 In/Sec .1068 In/Sec .068 In/Sec .138 In/Sec .057 In/Sec .255 In/Sec .234 In/Sec .234 In/Sec	 3-Feb-24) 1K-20KHz 1.908 G-s .418 G-s 3.320 G-s .530 G-s .742 G-s 1.643 G-s 7.363 G-s 2.273 G-s 10.26 G-s 2.228 G-s 1.448 G-s 3-Feb-24) 1K-20KHz 1.020 G-s .162 G-s .299 G-s 2.425 G-s 12.59 G-s 2.376 G-s 15.80 G-s 2.492 G-s 2.139 G-s 3-Feb-24) 1K-20KHz .407 G-s .074 G-s .074 G-s .074 G-s .074 G-s .072 G-s .153 G-s 			

	CIA			.338	In/Sec	.612	G-s	
	CIH			.206	In/Sec	3.041	G-s	
	CIV			.269	In/Sec	.369	G-s	
	СОН			.268	In/Sec	1.138	G-s	
	cov			.253	In/Sec	.466	G-s	
	COA			.247	In/Sec	. 646	G-s	
C-1304	- (C-1304 S	ALES GAS	COMP S	STG 2	(08-Feb-24))	
				OVERA	LL LEVEI	1K-201	KHz	
	MOH			.166	In/Sec	.770	G-s	
	MOV			.107	In/Sec	.490	G-s	
	MIH			.093	In/Sec	1.837	G-s	
	MIV			.098	In/Sec	.781	G-s	
	MIA			.090	In/Sec	.518	G-s	
	CIA			.156	In/Sec	. 395	G-s	
	CIH			.168	In/Sec	1.070	G-s	
	CIV			.132	In/Sec	.306	G-s	
	СОН			.122	In/Sec	. 537	G-s	
	cov			.125	In/Sec	.184	G-s	
	COA			.144	In/Sec	.297	G-s	
	2SH			.681	In/Sec	. 940	G-s	
	2sv			.220	In/Sec	.242	G-s	
	2SA			.267	In/Sec	.368	G-s	
	ЗЅН			.191	In/Sec	. 932	G-s	
	3sv			.260	In/Sec	.138	G-s	
	3SA			.248	In/Sec	.173	G-s	
Clarificat	tion Of	Vibrati	on 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. Maguell

ISO Certified Vibration Analyst, Category III



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