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January 17, 2025

South Shelby RNG Memphis, TN

The following is a summary of findings from the January 2025 monthly vibration survey that was performed on January 16, 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 II** defect.

#### C-0600 B Feed Gas Compressor

*Compressor was down; however, the following likely still applies:* There is some 4 x rpm (lobe pass) and harmonics of 4 x in the compressor spectra. We will continue to monitor this closely. Rated as a **CLASS I** defect.

# C-0600 C Feed Gas Compressor

Compressor data shows an extreme amount of 1 x input rpm vibration in the compressor. Overall amplitudes are the highest on record for this compressor. 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 1 x rpm vibration could be caused by some type of piping strain or possible soft foot of the compressor. The compressor shaft could also have excessive deflection due to bent shaft or excessive shaft lift. Imbalance of the compressor rotor could also be suspect of the high 1 x rpm vibration. Because of the high amplitude it is recommended to inspect the compressor of 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, 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.

# 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.

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Database: Area:		South Shelby RNG.rbm SOUTH SHELBY PLANT	
MEASUREN	IENT POINT	OVERALL LEVEL	HFD / VHFD
С-551в	- C-551B	VACUUM COMPRESSOR B (16	5-Jan-25)
-		OVERALL LEVEL	IK-20KHz
N	10H	.090 In/Sec	1.600 G-s
N	100	.062 In/Sec	.289 G-S
r N	11H 4T37	.154 IN/Sec	4.570 G-S
r N	41 V 41 Z	085 Tp/Sec	.022 G-S
	אדא	181 Tr/Sec	1 556 C-s
	TH	171 Tn/Sec	2 583 G-s
	TV	212 In/Sec	1 006 G-s
Ċ	COH	.161 In/Sec	5.764 G-s
Ċ	cov	.165 In/Sec	1.048 G-s
c	COA	.178 In/Sec	1.231 G-s
C-551A	- C-551A	VACUUM COMPRESSOR A (10	5-Jan-25)
	<b>1</b> 011	OVERALL LEVEL	1K-20KHz
N		.061 In/Sec	1.738 G-S
r N	10V 4TH	123 Tp/Sec	.337 G-S
r N	11H 1TV	076 Tp/Sec	1.314 G-S 653 C-s
L. N.	41 V 47 D	065 Tn/Sec	.055 G-s
- -	TA	226 In/Sec	2 365 G-s
Ċ	TH	.304 In/Sec	6.113 G-s
Ċ		.394 In/Sec	1.371 G-s
	COH	.445 In/Sec	6.215 G-s
Ċ	cov	.461 In/Sec	.897 G-s
Ċ	COA	.322 In/Sec	1.367 G-s
С-601В	- C-601B	N2 RECYCLE COMP B (16	5-Jan-25)
		OVERALL LEVEL	1K-20KHz
N	10H	.082 In/Sec	.600 G-s
M	lov	.035 In/Sec	.228 G-s
N	11H	.086 In/Sec	.482 G-S
P N	11 V 41 7	.080 IN/Sec	.109 G-S
۰ ۲	אוא	126 Tp/Sec	.127 G-S
	TH	143 In/Sec	1 560 G-s
Ċ		.135 In/Sec	.265 G-s
	СОН	.131 In/Sec	2.686 G-s
Ċ	cov	.097 In/Sec	.600 G-s
c	COA	.074 In/Sec	.810 G-s
C-601A	- C-601A	N2 RECYCLE COMP A (16	5-Jan-25)
		OVERALL LEVEL	IK-2UKHZ
N .		.048 IN/Sec	.454 G-S
N	10V ATU	.UZ/ IN/SEC	.2/3 G-S
N N	1111 ATV	025 Th/Sec	300 6-5
N N	11 V (TA	025  m/sec	219 C-e
۰ ۲	 	.150 Tn/Sec	.535 G-s
с с	TH	.098 Tn/Sec	1.671 G-s
с с		.152 In/Sec	.341 G-s
	СОН	.109 In/Sec	1.273 G-s
Ċ	cov	.097 In/Sec	.379 G-s
Ċ	COA	.105 In/Sec	.520 G-s
C-0600A	- C-06002	A FEED GAS COMP A (10	6-Jan-25)
		OVERALL LEVEL	1K-20KHz

MOH	.064 In/Sec	.564 G-s
MOV	042 In/Sec	105 G-s
110 1	.042 11,000	.105 6 5
MIH	.066 In/Sec	.410 G-s
MIV	.055 In/Sec	.093 G-s
МТА	036 In/Sec	295 G-s
013	212 Tr /0-2	C C C
CIA	.313 In/Sec	.556 G-S
CIH	.405 In/Sec	2.484 G-s
CTV	881 In/Sec	584 G-s
001	221 Tr /0	1 050 0 0
COH	.331 In/Sec	1.952 G-S
COV	.486 In/Sec	.667 G-s
COA	.282 In/Sec	.652 G-s
	,,	
C-0600C	- C-0600C FEED GAS COMP C (	16-Jan-25)
	OVEDALT TEVET	18-2088
MOH	.163 In/Sec	.317 G-s
MOV	.115 In/Sec	.038 G-s
мтц	176 Tr/Sec	209 C-C
мтн	.176 11/560	.390 G-S
MIV	.114 In/Sec	.173 G-s
МТА	098 In/Sec	158 G-s
073	400 In/000	1 205 0 5
CIA	.429 IN/Sec	1.205 G-S
CIH	1.763 In/Sec	5.128 G-s
CIV	1,105 In/Sec	.649 G-s
017	1 001 - 700 - 700	2 770 0 -
COH	1.201 In/Sec	2.//U G-S
COV	1.262 In/Sec	.450 G-s
CO3	323 Tn/Sec	820 G-8
COA		.020 8 3
P1	3.023 In/Sec	.984 G-s
DTD 02003		16 Tom 25)
BLR-0200A	- BLR-0200A LFG BLOWER A (	10-Jan-25)
	OVERALL LEVEL	1K-20KHz
MOH	211 In/Sec	1 697 G-s
11011	.211 11,000	1.057 6 5
MOV	.069 In/Sec	.618 G-s
MIH	.125 In/Sec	3.006 G-s
MTV	169 TR/Soc	582 C-S
MIV	.109 11/360	.502 G-S
MIA	.174 In/Sec	.831 G-s
	/-	
BIA	.255 In/Sec	.355 G-s
BIA	.255 In/Sec	.355 G-s
BIA BIH	.255 In/Sec 2.893 In/Sec	.355 G-s 2.001 G-s
BIA BIH BIV	.255 In/Sec 2.893 In/Sec .393 In/Sec	.355 G-s 2.001 G-s .368 G-s
BIA BIH BIV BOH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s
BIA BIH BIV BOH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s 285 C-s
BIA BIH BOV BOV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s
BIA BIH BIV BOH BOV BOA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s
BIA BIH BIV BOH BOV BOA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s
BIA BIH BIV BOH BOV BOA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25)
BIA BIH BIV BOH BOV BOA BLR-0200C	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz
BIA BIH BIV BOH BOV BOA BLR-0200C	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec 132 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .201 C c
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .113 In/Sec .113 In/Sec .054 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .054 In/Sec .139 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .113 In/Sec .054 In/Sec .139 In/Sec .357 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIH BIH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .054 In/Sec .357 In/Sec .213 Tn/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIH BIV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .213 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .329 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIH BIV BOV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .329 In/Sec .352 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH BOV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .072 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIH BIV BOH BOV BOA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .072 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .153 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIA BIH BIV BOH BOV BOA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .352 In/Sec .153 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .329 In/Sec .352 In/Sec .153 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 1.543 G-s 1.543 G-s 1.624 G-s 16-Jan-25)
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .136 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec () () () () () () () () () ()	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 16-Jan-25)
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIA BIH BIV BOH BOV BOA BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .153 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 16-Jan-25) 1K-20KHz
BIA BIH BIV BOH BOV BOA BLR-0200C MOH BIR BIA BIA BIA BIA BIA BIA BIA BIA BIA BIA	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .088 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 1.624 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA BLR-0200D MOH MOY	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .088 In/Sec .070 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 1.543 G-s 1.543 G-s 1.624 G-s 1.292 G-s .428 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV MIA BIA BIH BIV BOH BOV BOA BLR-0200D MOH MOV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .113 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .068 In/Sec .070 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.72 C
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BON BON BON BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .072 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .088 In/Sec .096 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MIN MIA BIA BIA BIA BIA BIA BIA BIA BIA BIA MOY BOA BLR-0200D MOH MOV MIH MIV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .088 In/Sec .096 In/Sec .105 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s .349 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BIA BIA BIH BIV BOH BOV BOA BLR-0200D MOH MOV MIH MIV	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec .072 In/Sec .133 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .088 In/Sec .096 In/Sec .086 In/Sec .086 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BOH BOV BOA BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .068 In/Sec .096 In/Sec .105 In/Sec .086 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 16-10 C C
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BON BON BON BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .068 In/Sec .096 In/Sec .105 In/Sec .086 In/Sec .142 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 1.819 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV BIA BIH BOV BOA BLR-0200D BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .088 In/Sec .096 In/Sec .086 In/Sec .142 In/Sec .226 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 1.543 G-s 1.624 G-s 1.624 G-s 1.624 G-s 1.624 G-s 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 1.819 G-s 12.47 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BON BOH BOV BOA BLR-0200D BLR-0200D MOH MOV MIH MIV BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .088 In/Sec .096 In/Sec .105 In/Sec .142 In/Sec .142 In/Sec .226 In/Sec .244 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 1.819 G-s 12.47 G-s 2.213 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIA BIA BIH BV BOH BOV BOA BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .096 In/Sec .096 In/Sec .142 In/Sec .226 In/Sec .226 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.624 G-s 1.625 G-s .428 G-s 1.624 G-s 1.626 G-s 1.626 G-s 1.627 G-s .428 G-s .429 G-s .42
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BOV BOA BLR-0200D BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .153 In/Sec .096 In/Sec .096 In/Sec .142 In/Sec .226 In/Sec .226 In/Sec .224 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 2.079 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 1.819 G-s 12.47 G-s 2.213 G-s 11.03 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH MIV BIA BIH BIV BOV BOA BLR-0200D BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .088 In/Sec .096 In/Sec .096 In/Sec .142 In/Sec .226 In/Sec .238 In/Sec .238 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 1.682 G-s 1.543 G-s 1.624 G-s 1.624 G-s 1.624 G-s 1.624 G-s 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 1.819 G-s 1.247 G-s 2.213 G-s 1.03 G-s 2.399 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BOH BOV BOA BLR-0200D MOH MOV MIH MIV BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .153 In/Sec .096 In/Sec .096 In/Sec .142 In/Sec .226 In/Sec .228 In/Sec .238 In/Sec .238 In/Sec .238 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 1.819 G-s 12.47 G-s 2.213 G-s 11.03 G-s 2.399 G-s 2.334 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BOH BOV BOA BLR-0200D BLR-0200D BLR-0200D BLR-0200D	.255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .113 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .356 In/Sec .070 In/Sec .096 In/Sec .105 In/Sec .105 In/Sec .142 In/Sec .226 In/Sec .226 In/Sec .226 In/Sec .228 In/Sec .238 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s .223 G-s .223 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.624 G-s 2.079 G-s .428 G-s .428 G-s 1.819 G-s 12.47 G-s 2.213 G-s 11.03 G-s 2.399 G-s 2.334 G-s
BIA BIH BIV BOH BOV BOA BLR-0200C MOH MOV MIH BIN BOV BOA BLR-0200D BLR-0200D BLR-0200D BLR-0200D	. 255 In/Sec 2.893 In/Sec .393 In/Sec .128 In/Sec .447 In/Sec .072 In/Sec - BLR-0200C LFG BLOWER C ( OVERALL LEVEL .136 In/Sec .133 In/Sec .112 In/Sec .113 In/Sec .113 In/Sec .139 In/Sec .357 In/Sec .357 In/Sec .352 In/Sec .352 In/Sec .352 In/Sec .153 In/Sec .096 In/Sec .096 In/Sec .105 In/Sec .096 In/Sec .142 In/Sec .226 In/Sec .226 In/Sec .2284 In/Sec .238 In/Sec .238 In/Sec	.355 G-s 2.001 G-s .368 G-s 2.010 G-s .385 G-s .394 G-s 16-Jan-25) 1K-20KHz .883 G-s .183 G-s 1.004 G-s .223 G-s .301 G-s 1.475 G-s 9.700 G-s 1.682 G-s 7.652 G-s 1.543 G-s 1.624 G-s 1.624 G-s 16-Jan-25) 1K-20KHz 1.292 G-s .428 G-s 2.079 G-s .349 G-s .458 G-s 1.819 G-s 12.47 G-s 2.213 G-s 11.03 G-s 2.399 G-s 2.334 G-s

		OVERALL LEV	7EL 1K-20KH	Z
MOH		.056 In/Se	ec .381 G	-s
MOV		.185 In/Se	ec .055 G	-s
MIH		.075 In/Se	ec .363 G	-s
MIV		.264 In/Se	ec .155 G	-s
MIA		.200 In/Se	ec .244 G	-s
CIA		.284 In/Se	ec .698 G	-s
CIH		.228 In/Se	ec 3.303 G	-s
CIV		.337 In/Se	ec .766 G	-s
СОН		.236 In/Se	ec 2.221 G	-s
cov		.262 In/Se	ec .800 G	-s
COA		.217 In/Se	ec .935 G	-s
C-1304 -	C-1304 SALES	GAS COMP STG 2	(16-Jan-25)	
		OVERALL LEV	7EL 1K-20KH	z
MOH		.107 In/Se	ec .974 G	-s
MOV		.062 In/Se	ec 1.253 G	-s
MIH		.130 In/Se	ec 1.302 G	-s
MIV		.064 In/Se	ec .900 G	-s
MIA		.082 In/Se	ec .317 G	-s
CIA		.100 In/Se	ec .236 G	-s
CIH		.183 In/Se	ec .634 G	-s
CIV		.090 In/Se	ec .215 G	-s
СОН		.195 In/Se	ec .459 G	-s
COV		.125 In/Se	ec .143 G	-s
COA		.143 In/Se	ec .144 G	-s
1SH		.184 In/Se	ec .563 G	-s
1sv		.187 In/Se	ec .168 G	-s
1SA		.225 In/Se	ec .164 G	-s
2SH		.245 In/Se	ec .650 G	-s
2SV		.206 In/Se	ec .189 G	-s
2SA		.252 In/Se	ec .222 G	-s
Clarification Of	Vibration Un	nits:		
Acc>	G-s RMS	3		
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. Marguell

ISO Certified Vibration Analyst, Category III



Email: <u>kwilliam@gohispeed.com</u>