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September 19th, 2023

Nathan Allen North Shelby Plant Millington, TN

Nathan,

The following is a summary of findings from the September 2023 monthly vibration survey at the North Shelby site.

**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 quaranty or warranty of the matters discussed herein.

## **Defects**

## **101-B Feed Compressor**

Compressor data shows some high frequency acceleration amplitude with noise floor. Peaks in spectral data suggest possible wear of internal compressor components. We are watching this closely. Rated as a **CLASS I** defect.

## 506 B Product Compressor

Motor data shows defects are present in motor bearings. Motor will need to be swapped out as soon as practical. Rated as a **CLASS III** defect.

## Abbreviated Last Measurement Summary

Database: Clean Energy.rbm Area: millington plant

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
301 FLARE - 301 FLARE BLO	WER (07	'-Sep-23)
001 1==== 001 1==== ==0	OVERALL LEVEL	•
мон	.100 In/Sec	.552 G-s
MOV	.207 In/Sec	.142 G-s
MIH	.105 In/Sec	.808 G-s
MIV	.105 In/Sec .121 In/Sec	.117 G-s
MIA	.078 In/Sec	.267 G-s
EIH	.192 In/Sec	.277 G-s
EIV	.082 In/Sec	.416 G-s
EIA	.058 In/Sec	.152 G-s
EOH	.145 In/Sec	.254 G-s
EOV	.060 In/Sec	.259 G-s
RINSE COMP - RINSE COMPRES	SOR (07	'-Sep-23)
	OVERALL LEVEL .119 In/Sec	1K-20KHz
MOH	.119 In/Sec	5.267 G-s
MIH	.119 In/Sec	2.442 G-s
MIA	.113 In/Sec	.295 G-s
IIH	.074 In/Sec	
IIA	.110 In/Sec .102 In/Sec	.150 G-s
IOH	.102 In/Sec	.522 G-s
OIH	.053 In/Sec	.835 G-s
OIA	.085 In/Sec	.122 G-s
ООН	.119 In/Sec	.605 G-s
VAC COMP - VACUUM COMPRES	SSOR (07	'-Sep-23)
	OVERALL LEVEL	1K-20KHz
MOH	.087 In/Sec	1.661 G-s
MIH	.124 In/Sec	
MIA	.056 In/Sec	.163 G-s
IIH	.094 In/Sec	.304 G-s
IIA	.060 In/Sec	.090 G-s
IOH	.107 In/Sec	.000 G 5
OIH	.042 In/Sec	
OIA	.078 In/Sec	.084 G-s
ООН	.124 In/Sec	.729 G-s
COOLFAN1 - COOLING FAN 1		'-Sep-23)
	OVERALL LEVEL	1K-20KHz
MOH	.035 In/Sec	.737 G-s
MOV	.032 In/Sec	.240 G-s
MIH	.032 In/Sec .048 In/Sec .020 In/Sec	.420 G-s
MIV	.020 In/Sec	.142 G-s

MIA .018 In/Sec .104 G-s

101B COMB			
TOID COMP	- 101B FEED	COMPRESSOR	(07-Sep-23)
		OVERALL LEVE	L 1K-20KHz
MOH		.247 In/Sec	.226 G-s
MIH		.250 In/Sec	.262 G-s
MIA		.042 In/Sec	
IIH		.127 In/Sec	
IIA		.356 In/Sec	2.463 G-s
IOH		.144 In/Sec	2.227 G-s
OIH		.176 In/Sec	2.981 G-s
OIA		.142 In/Sec	6.855 G-s
OOH		.161 In/Sec	3.065 G-s
HX132B FAN	- HX132B GAS	OIL COOLER FAN	(07-Sep-23)
		OVERALL LEVE	
MOH		.047 In/Sec	.031 G-s
MIH		.093 In/Sec	.121 G-s
EIH		.104 In/Sec	.081 G-s
EOH		.061 In/Sec	.039 G-s
451A PUMP	- 451A VACCU	M PUMP	(07-Sep-23)
		OVERALL LEVE	
MOH		.059 In/Sec	
MOV		.069 In/Sec	.228 G-s
MIH		.078 In/Sec	
MIV		.104 In/Sec	.522 G-s
MIA		.057 In/Sec	
EIH		.194 In/Sec	.248 G-s
EIV		.145 In/Sec	.070 G-s
EIA		.108 In/Sec	.071 G-s
EOH		.169 In/Sec	
EOV		.171 In/Sec	
HX453A FAN	- HX453A VAC	PUMP OIL COOL FAN	(07-Sep-23)
		OVERALL LEVE	
MOH		.173 In/Sec	.154 G-s
MIH		.101 In/Sec	.106 G-s
451B PUMP	- 451B VACCI		(07-Sep-23)
	431D VACCO		L 1K-20KHz
MOH		.047 In/Sec	
MOV		.047 In/Sec .078 In/Sec	.093 G-s
MOV MIH		.047 In/Sec .078 In/Sec .063 In/Sec	.093 G-s .453 G-s
MOV		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec	.093 G-s .453 G-s .145 G-s
MOV MIM VIM AIM		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s
MOV MIH MIV MIA EIH		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s
MOV MIH MIV MIA EIH EIV		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s
MOV MIH MIV MIA EIH EIV EIA		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s
MOV MIH MIV MIA EIH EIV EIA EOH		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s
MOV MIH MIV MIA EIH EIV EIA		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s
MOV MIH MIV MIA EIH EIV EIA EOH		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s
MOV MIH MIV MIA EIH EIV EIA EOH		.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s
MOV MIH MIV MIA EIH EIV EIA EOH EOV	- HX453B VAC	.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s (07-Sep-23) L 1K-20KHz .192 G-s
MOV MIH MIV MIA EIH EIV EIA EOH EOV	- HX453B VAC	.047 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s (07-Sep-23) L 1K-20KHz .192 G-s
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN MOH MIH	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN MOH MIH	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec	.093 G-s .453 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN MOH MIH	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .146 In/Sec .121 In/Sec IM PUMP OVERALL LEVE	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN MOH MIH	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .146 In/Sec .121 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .420 G-s
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN MOH MIH 451C PUMP	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .146 In/Sec .121 In/Sec IM PUMP OVERALL LEVE .115 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN MOH MIH 451C PUMP MOH MOH	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .146 In/Sec .121 In/Sec .115 In/Sec .115 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .380 G-s
MOV MIH MIV MIA EIH EIV EIA EOV HX453B FAN MOH MIH 451C PUMP MOH MOV MIH	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .146 In/Sec .121 In/Sec .121 In/Sec .115 In/Sec .115 In/Sec .138 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .420 G-s .106 G-s .380 G-s .125 G-s
MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453B FAN MOH MIH 451C PUMP MOH MOV MIH MIV	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .146 In/Sec .121 In/Sec .121 In/Sec .115 In/Sec .115 In/Sec .138 In/Sec .216 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .420 G-s .106 G-s .380 G-s .125 G-s .080 G-s
MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453B FAN MOH MIH 451C PUMP MOH MOV MIH MIV MIA	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .165 In/Sec .116 In/Sec .116 In/Sec .111 In/Sec .115 In/Sec .115 In/Sec .118 In/Sec .118 In/Sec .118 In/Sec .118 In/Sec .118 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .420 G-s .106 G-s .380 G-s .125 G-s .080 G-s .524 G-s
MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453B FAN MOH MIH 451C PUMP MOH MOV MIH MIV MIA EIH	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .161 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .138 In/Sec .216 In/Sec .082 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .420 G-s .106 G-s .380 G-s .125 G-s .080 G-s .524 G-s .175 G-s
MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453B FAN MOH MIH 451C PUMP MOH MOV MIH MIV MIA EIH EIV	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .161 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .116 In/Sec .116 In/Sec .117 In/Sec .118 In/Sec .118 In/Sec .198 In/Sec .198 In/Sec .198 In/Sec .199 In/Sec .199 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .420 G-s .106 G-s .380 G-s .125 G-s .080 G-s .524 G-s .175 G-s .180 G-s
MOV MIH MIV MIA EIH EIV EIA EOH MOH MIH  451C PUMP  MOH MOV MIH MIV MIA EIH EIV EIA	- HX453B VAC	.047 In/Sec .078 In/Sec .078 In/Sec .063 In/Sec .086 In/Sec .044 In/Sec .044 In/Sec .157 In/Sec .126 In/Sec .120 In/Sec .179 In/Sec .167 In/Sec .167 In/Sec .167 In/Sec .161 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .115 In/Sec .116 In/Sec .116 In/Sec .117 In/Sec .118 In/Sec .118 In/Sec .198 In/Sec .198 In/Sec .199 In/Sec .1097 In/Sec	.093 G-s .453 G-s .145 G-s .144 G-s .370 G-s .085 G-s .095 G-s .606 G-s .133 G-s  (07-Sep-23) L 1K-20KHz .192 G-s .111 G-s  (07-Sep-23) L 1K-20KHz .420 G-s .106 G-s .380 G-s .125 G-s .080 G-s .524 G-s .175 G-s .180 G-s .618 G-s

HX453C FAN - HX453C VAC PU	MD OTT GOOT HAN (O'	7 0 221
HA455C FAN - HA455C VAC PO	OVERALL LEVEL	_
МОН	.152 In/Sec	
MIH	.151 In/Sec	
MIII	.151 III/ bec	.141 G S
451D PUMP - 451D VACCUM P	UMP (0'	7-Sep-23)
	OVERALL LEVEL	
MOH	.092 In/Sec	.861 G-s
MOV	.093 In/Sec	.314 G-s
MIH	.108 In/Sec	1.174 G-s
MIV	.086 In/Sec	.161 G-s
MIA	.034 In/Sec	.306 G-s
EIH	.205 In/Sec	.523 G-s
EIV	.155 In/Sec	.140 G-s
EIA	.129 In/Sec	.118 G-s
EOH	.164 In/Sec	.731 G-s
EOV	.151 In/Sec	.162 G-s
HX453D FAN - HX453D VAC PU	OVERALL LEVEL .215 In/Sec	1K-20KHz .129 G-s
	1=0 - /-	005 0 -
MIH	.170 In/Sec	.085 G-s
MIH  506B COMP - 506B PRODUCT	COMPRESSOR (0'	7-Sep-23)
506B COMP - <mark>506B PRODUCT</mark>	COMPRESSOR (0'	7-Sep-23)
506B COMP - <mark>506B PRODUCT</mark>	COMPRESSOR (0' OVERALL LEVEL .137 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s
506B COMP - 506B PRODUCT  MOH MIH	COMPRESSOR (0' OVERALL LEVEL .137 In/Sec .169 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA	COMPRESSOR (0' OVERALL LEVEL .137 In/Sec .169 In/Sec .093 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH	COMPRESSOR (0' OVERALL LEVEL .137 In/Sec .169 In/Sec .093 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH IIA	COMPRESSOR (0' OVERALL LEVEL .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH IIA IOH	COMPRESSOR OVERALL LEVEL .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH IIA IOH OIH	COMPRESSOR (0°  OVERALL LEVEL  .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .218 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH IIA IOH	COMPRESSOR OVERALL LEVEL .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH IIA IOH OIH OOH	COMPRESSOR (0' OVERALL LEVEL .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .218 In/Sec .213 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH IIA IOH OIH	COMPRESSOR (0' OVERALL LEVEL .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .218 In/Sec .213 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s
506B COMP - 506B PRODUCT  MOH MIH MIA IIH IIA IOH OIH OOH	COMPRESSOR (0'  OVERALL LEVEL  .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .222 In/Sec .218 In/Sec .213 In/Sec OUL FAN (0' OVERALL LEVEL	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s 7-Sep-23) 1K-20KHz
MOH MIH MIA IIH IIA IOH OOH HX507B FAN - HX507B GAS CO	COMPRESSOR (0°  OVERALL LEVEL  .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .218 In/Sec .213 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s 7-Sep-23) 1K-20KHz .072 G-s
MOH MIH MIA IIH IIA IOH OIH OOH  HX507B FAN - HX507B GAS CO	COMPRESSOR (0'  OVERALL LEVEL  .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .221 In/Sec .213 In/Sec OUL FAN (0' OVERALL LEVEL .100 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s 7-Sep-23) 1K-20KHz .072 G-s
MOH MIH MIA IIH IIA IOH OOH HX507B FAN - HX507B GAS CO	COMPRESSOR  OVERALL LEVEL  .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .218 In/Sec .213 In/Sec .213 In/Sec OUL FAN  OVERALL LEVEL .100 In/Sec .141 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s 7-Sep-23) 1K-20KHz .072 G-s
MOH MIH MIA IIH IIA IOH OOH  HX507B FAN - HX507B GAS CO MOH MIH  Clarification Of Vibration Un	COMPRESSOR  OVERALL LEVEL  .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .218 In/Sec .213 In/Sec OUL FAN  OVERALL LEVEL .100 In/Sec .141 In/Sec .141 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s 7-Sep-23) 1K-20KHz .072 G-s
MOH MIH MIA IIH IIA IOH OOH HX507B FAN - HX507B GAS CO	COMPRESSOR  OVERALL LEVEL  .137 In/Sec .169 In/Sec .093 In/Sec .151 In/Sec .119 In/Sec .222 In/Sec .218 In/Sec .213 In/Sec OUL FAN  OVERALL LEVEL .100 In/Sec .141 In/Sec .141 In/Sec	7-Sep-23) 1K-20KHz 2.151 G-s 6.765 G-s 3.152 G-s .638 G-s .935 G-s 2.040 G-s 1.422 G-s 2.356 G-s 7-Sep-23) 1K-20KHz .072 G-s

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

Sincerely,

ISO Certified Vibration Analyst, Category III

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