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North Shelby Plant Millington, TN

The following is a summary of findings from the July 2024 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 guaranty or warranty of the matters discussed herein.

Defects

Rinse Compressor

Drive motor data still shows some high frequency vibration. The last reading showed amplitude to be 2.0 g's. Spectral data shows a noise floor starting around the 1500 hz range. This may be a lube issue or early stage bearing wear. We are monitoring this closely. Rated as a **CLASS I** defect for now.

Cooling Fan 2 (new belt driven cooling fan)

The 37 hz vibration was present this survey. This appears to be 4 x fan rpm. May be blade pass if fan has 4 blades. Could also be resonance. There are also some signs of bearing wear beginning to show in fan spectra. May be due to style of bearing not allowing for axial load due to configuration of the fan wheel/shaft. We are monitoring this closely. Rated as a **CLASS II** defect.

101-B Feed Compressor

Equipment was not in service during this survey; however, the following still applies: 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 C Product Compressor

Motor data shows indications of bearing defects in DE motor bearing. Motor needs to be inspected as time allows. Rated as a **CLASS II** defect.

Database: Clean E Area: milling						
MEASUREMENT POINT	OVERALL LEVEL	hfd / vhfd				
303 FLARE - 303 FLARE BLOW	ER (1	15-Jul-24)				
	OVERALL LEVEL	1K-20KHz				
MOH	.058 In/Sec	1.035 G-s				
MOV	.115 In/Sec					
MIH	.049 In/Sec	.979 G-s				
MIV	.118 In/Sec	.148 G-s				
MIA	.029 In/Sec	.271 G-s				
EIH	.080 In/Sec	.246 G-s				
EIV	.057 In/Sec	.092 G-s				
EIA	.054 In/Sec	.150 G-s				
EOH	.047 In/Sec	.464 G-s				
EOV	.183 In/Sec	.402 G-s				
TX301 FAN - TX301 AFTERCOO						
	OVERALL LEVEL					
MOH	.245 In/Sec					
MIH	.193 In/Sec					
MIA	.294 In/Sec					
FIH	.096 In/Sec					
FOH	.088 In/Sec	.105 G-s				

Abbreviated Last Measurement Summary

RINSE COMP - RINSE COMPRES	•	5-Jul-24)
	OVERALL LEVEL	1K-20KHz
MOH	.087 In/Sec	1.859 G-s
MIH	.083 In/Sec	2.109 G-s
MIA	.085 In/Sec	.267 G-s
IIH	.070 In/Sec	.952 G-s
IIA	.122 In/Sec	.192 G-s
IOH	.101 In/Sec	.516 G-s
OIH	.068 In/Sec	.658 G-s
OIA	.103 In/Sec	.139 G-s
ООН	.094 In/Sec	.674 G-s
0011	.094 IN/Sec	.0/4 6 3
VAC COMP - VACUUM COMPRES	SCOP (1)	5-Jul-24)
VAC COMP - VACOUM COMPRES	OVERALL LEVEL	1K-20KHz
Non		
MOH	.103 In/Sec	1.488 G-s
MIH	.115 In/Sec	
MIA	.052 In/Sec	.313 G-s
IIH	.092 In/Sec	.502 G-s
IIA	.060 In/Sec	.112 G-s
IOH	.096 In/Sec	.654 G-s
OIH	.090 In/Sec	.791 G-s
OIA	.052 In/Sec	.106 G-s
OOH	.095 In/Sec	
COM	.055 11,500	1.004 0 5
COOLFAN1 - COOLING FAN 1	(1)	5-Jul-24)
COOLFANI - COOLING FAN I	OVERALL LEVEL	•
MOH	.020 In/Sec	
MOV	.370 In/Sec	.249 G-s
MIH	.052 In/Sec	.498 G-s
MIV	.050 In/Sec	.190 G-s
MIA	.030 In/Sec	.165 G-s
COOLFAN2 - COOLING FAN 2	(1	5-Jul-24)
	OVERALL LEVEL	1K-20KHz
MOH	.362 In/Sec	1.194 G-s
MOV	167 In/Sec	178 G-s
MOV	.167 In/Sec	.178 G-s
MIH	.292 In/Sec	.595 G-s
MIH MIV	.292 In/Sec .211 In/Sec	.595 G-s .190 G-s
MIH MIV MIA	.292 In/Sec .211 In/Sec .258 In/Sec	.595 G-s .190 G-s .128 G-s
MIH MIV MIA EIH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s
MIH MIV MIA EIH EIV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s
MIH MIV MIA EIH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s
MIH MIV MIA EIH EIV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s
MIH MIV MIA EIH EIV EIA	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s
MIH MIV MIA EIH EIV EIA EOH EOV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s
MIH MIV MIA EIH EIV EIA EOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s
MIH MIV MIA EIH EIV EIA EOH EOV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec (1) OVERALL LEVEL	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz
MIH MIV MIA EIH EIV EIA EOH EOV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec (1) OVERALL LEVEL	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COMM	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COMI MOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .211 In/Sec .169 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COMM MOH MIH MIA	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .211 In/Sec .169 In/Sec .074 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COMM MOH MIH MIA IIH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .211 In/Sec .169 In/Sec .074 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .177 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .402 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .121 In/Sec .169 In/Sec .187 In/Sec .402 In/Sec .194 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .121 In/Sec .169 In/Sec .187 In/Sec .402 In/Sec .194 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .177 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .402 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .573 In/Sec .127 In/Sec .127 In/Sec .121 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .222 In/Sec .115 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .121 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .187 In/Sec .194 In/Sec .222 In/Sec .115 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COMP 101A COMP - 101A FEED COMP MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .121 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .573 In/Sec .127 In/Sec .127 In/Sec .121 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .045 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz .065 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COMP 101A COMP - 101A FEED COMP MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .121 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz .065 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .076 In/Sec .070 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz .065 G-s .092 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COMP 101A COMP - 101A FEED COMP MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .573 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz .065 G-s .092 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz .065 G-s .092 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz .065 G-s .092 G-s
MIH MIV MIA EIH EIV EIA EOH EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH 451A PUMP - 451A VACCUM PU	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.538 G-s .946 G-s 2.865 G-s 5-Jul-24) 1K-20KHz .065 G-s .092 G-s
MIH MIV MIA EIH EIV EIA EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH 451A PUMP - 451A VACCUM PU MOH	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec .083 In/Sec .081 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 2.865 G-s .092 G-s 5-Jul-24) 1K-20KHz .065 G-s .092 G-s 5-Jul-24)
MIH MIV MIA EIH EIV EIA EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH 451A PUMP - 451A VACCUM PU MOH MOV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec .083 In/Sec .081 In/Sec .100 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 2.865 G-s .092 G-s .092 G-s 5-Jul-24) 1K-20KHz .695 G-s .267 G-s .947 G-s
MIH MIV MIA EIH EIV EIA EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH 451A PUMP - 451A VACCUM PU MOH MOV MIH MIV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec .081 In/Sec .120 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .283 G-s .189 G-s 5-Jul-24) 1K-20KHz .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 2.865 G-s .092 G-s .092 G-s 5-Jul-24) 1K-20KHz .065 G-s .092 G-s .267 G-s .267 G-s .947 G-s .193 G-s
MIH MIV MIA EIH EIV EIA EOV 101A COMP - 101A FEED COM MOH MIH MIA IIH IIA OIH OIA OOH HX132A FAN - HX132A GAS OID EIH EOH 451A PUMP - 451A VACCUM PU MOH MOV	.292 In/Sec .211 In/Sec .258 In/Sec .425 In/Sec .130 In/Sec .170 In/Sec .170 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .127 In/Sec .169 In/Sec .169 In/Sec .169 In/Sec .187 In/Sec .194 In/Sec .194 In/Sec .194 In/Sec .115 In/Sec .115 In/Sec .070 In/Sec .070 In/Sec .083 In/Sec .081 In/Sec .100 In/Sec	.595 G-s .190 G-s .128 G-s .699 G-s .336 G-s .207 G-s .283 G-s .283 G-s .189 G-s .289 G-s .274 G-s .289 G-s .278 G-s 1.191 G-s 1.719 G-s 1.719 G-s 1.538 G-s .946 G-s 2.865 G-s 2.865 G-s .092 G-s .092 G-s 5-Jul-24) 1K-20KHz .695 G-s .267 G-s .947 G-s .193 G-s .217 G-s

EIV		111 0 -
	.168 In/Sec	
EIA	.118 In/Sec	
EOH	.168 In/Sec	.334 G-s
EOV	.102 In/Sec	.195 G-s
HX453A FAN - HX453A VAC PU		
	OVERALL LEVEL	
MOH	.231 In/Sec	
MIH	.131 In/Sec	.105 G-s
451B PUMP - 451B VACCUM B	-	5-Jul-24)
	OVERALL LEVEL	1K-20KHz
MOH	.060 In/Sec	.501 G-s
MOV	.075 In/Sec	.125 G-s
MIH	.074 In/Sec	
MIV	.072 In/Sec	
MIA	.049 In/Sec	.127 G-s
EIH	.221 In/Sec	.181 G-s
EIV	.204 In/Sec	.214 G-s
EIA	.148 In/Sec	.200 G-s
EOH	.194 In/Sec	.478 G-s
EOV	.183 In/Sec	.206 G-s
HX453B FAN - HX453B VAC PU	MP OIL COOL FAN (1	5-Jul-24)
	OVERALL LEVEL	1K-20KHz
MOH	.138 In/Sec	.267 G-s
MIH	.101 In/Sec	.123 G-s
451C PUMP - 451C VACCUM E	2UMP (1!	5-Jul-24)
	OVERALL LEVEL	1K-20KHz
MOH	.104 In/Sec	.424 G-s
MOV	112 In/Sec	104 G-s
MIH	.131 In/Sec	.408 G-s
MIV	.193 In/Sec	.116 G-s
MIA	.067 In/Sec	
EIH	.141 In/Sec	.989 G-s
EIV	.116 In/Sec	.202 G-s
	000 Tr/Coc	
EIA	.088 In/Sec	.085 G-s
ЕОН	.137 In/Sec	.827 G-s
EOH EOV	.137 In/Sec .114 In/Sec	.827 G-s .141 G-s
ЕОН	.137 In/Sec .114 In/Sec JMP OIL COOL FAN (19	.827 G-s .141 G-s 5-Jul-24)
EOH EOV HX453C FAN - HX453C VAC PU	.137 In/Sec .114 In/Sec MP OIL COOL FAN (1 OVERALL LEVEL	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz
EOH EOV HX453C FAN - HX453C VAC PU MOH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s
EOH EOV HX453C FAN - HX453C VAC PU	.137 In/Sec .114 In/Sec MP OIL COOL FAN (1 OVERALL LEVEL	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24)
EOH EOV HX453C FAN - HX453C VAC PC MOH MIH 451D PUMP - 451D VACCUM E	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz
EOH EOV HX453C FAN - HX453C VAC PC MOH 451D PUMP - 451D VACCUM H MOH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s
EOH EOV HX453C FAN - HX453C VAC PC MOH MIH 451D PUMP - 451D VACCUM H	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM P MOH MOV MIH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM P MOH MOV MIH MIV	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .070 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM P MOH MOV MIH MIV MIA	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .070 In/Sec .035 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM P MOH MOV MIH MIV MIA EIH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .439 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .439 G-s .123 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .142 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .439 G-s .123 G-s .139 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA EOH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .142 In/Sec .155 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .439 G-s .123 G-s .139 G-s .482 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .142 In/Sec .155 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .439 G-s .123 G-s .139 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA EOH EOV	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec .125 In/Sec .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .439 G-s .123 G-s .139 G-s .482 G-s .142 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA EOH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .439 G-s .123 G-s .139 G-s .482 G-s .142 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MOV MIH EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PU	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .123 G-s .123 G-s .139 G-s .142 G-s .142 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PU MOH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .123 G-s .139 G-s .139 G-s .142 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MOV MIH EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PU	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .123 G-s .123 G-s .139 G-s .142 G-s .142 G-s
EOH EOV HX453C FAN - HX453C VAC PC MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PC MOH MIH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .070 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec .213 In/Sec .201 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .123 G-s .139 G-s .139 G-s .142 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s .108 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PU MOH	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec .213 In/Sec .201 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .123 G-s .139 G-s .139 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s .108 G-s
EOH EOV HX453C FAN - HX453C VAC PU MOH MIH 451D PUMP - 451D VACCUM P MOH MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PU MOH MIH 506C COMP - 506C PRODUCT	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec .213 In/Sec .201 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .123 G-s .139 G-s .139 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s .108 G-s
EOH EOV HX453C FAN - HX453C VAC PC MOH 451D PUMP - 451D VACCUM F MOH MOV MIH MOV MIH EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PC MOH 506C COMP - 506C PRODUCT	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec .201 In/Sec .201 In/Sec .201 In/Sec .201 In/Sec .126 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .139 G-s .139 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s .108 G-s 5-Jul-24) 1K-20KHz 1.205 G-s
EOH EOV HX453C FAN - HX453C VAC PC MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PC MOH MIH 506C COMP - 506C PRODUCT	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .213 In/Sec .201 In/Sec .201 In/Sec .126 In/Sec .136 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .139 G-s .139 G-s .142 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s .108 G-s .108 G-s .108 G-s 4.737 G-s
EOH EOV HX453C FAN - HX453C VAC PC MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PC MOH MIH 506C COMP - 506C PRODUCT	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .097 In/Sec .070 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec .201 In/Sec .201 In/Sec .201 In/Sec .201 In/Sec .136 In/Sec .078 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .123 G-s .139 G-s .142 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s .108 G-s
EOH EOV HX453C FAN - HX453C VAC PC MOH MIH 451D PUMP - 451D VACCUM F MOH MOV MIH MIV MIA EIH EIV EIA EOH EOV HX453D FAN - HX453D VAC PC MOH MIH 506C COMP - 506C PRODUCT	.137 In/Sec .114 In/Sec MP OIL COOL FAN (19 OVERALL LEVEL .157 In/Sec .125 In/Sec 20MP (19 OVERALL LEVEL .075 In/Sec .080 In/Sec .097 In/Sec .097 In/Sec .097 In/Sec .035 In/Sec .178 In/Sec .149 In/Sec .149 In/Sec .149 In/Sec .155 In/Sec .179 In/Sec .179 In/Sec .201 In/Sec .201 In/Sec .201 In/Sec .201 In/Sec .136 In/Sec	.827 G-s .141 G-s 5-Jul-24) 1K-20KHz .424 G-s .194 G-s 5-Jul-24) 1K-20KHz .722 G-s .207 G-s 1.178 G-s .205 G-s .234 G-s .139 G-s .139 G-s .142 G-s .142 G-s 5-Jul-24) 1K-20KHz .103 G-s .108 G-s .108 G-s .108 G-s 4.737 G-s

	IIA			.211	In/Sec	1.100	G-s	
	IOH			.239	In/Sec	1.625	G-s	
	OIH			.218	In/Sec	1.107	G-s	
	ООН			.248	In/Sec	.847	G-s	
HX507C	FAN -	HX507C GA	S COOL	FAN		(15-Jul-24))	
				OVERA	LL LEVEI	1K-201	KHz	
	MOH			.262	In/Sec	.057	G-s	
	MIH			.375	In/Sec	.039	G-s	
Clarifica	tion Of	Vibratio	 n Unit					
Acc	>	G-s	RMS					
		In/Sec	-					

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,

Keven W. Maxwell

ISO Certified Vibration Analyst, Category III



QualiTest Diagnostics Cell: 901-486-4565 Email: <u>kwilliam@gohispeed.com</u>