HI-SPEED INDUSTRIAL SERVICE QualiTest® Diagnostics

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July 25, 2022

Bio Energy
Memphis, TN

The following is a summary of findings from the vibration survey that was performed on July 14, 2022.

QualiTest® uses a four-step rating system for defects.

CLASS I: Defect is present, but effect on reliability is not clear; no immediate action is required. Continue to normally monitor.

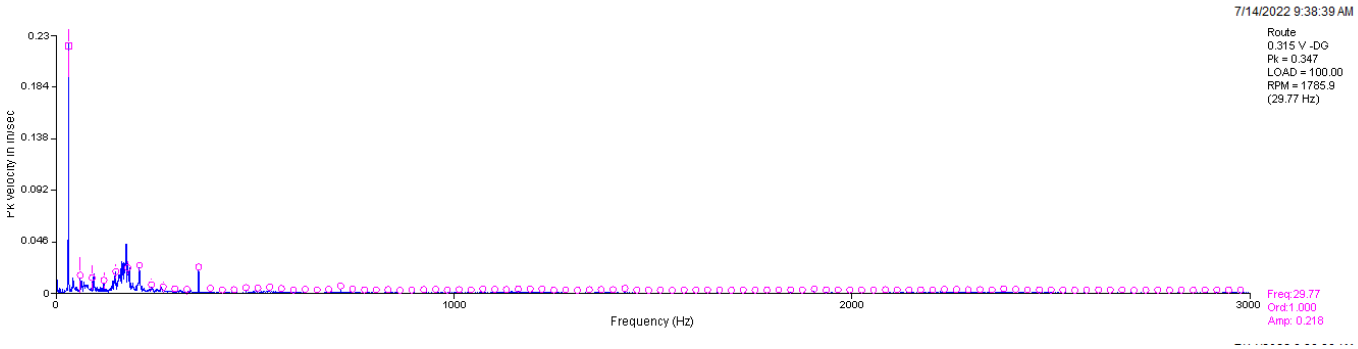
CLASS II: Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

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

Defect Summary

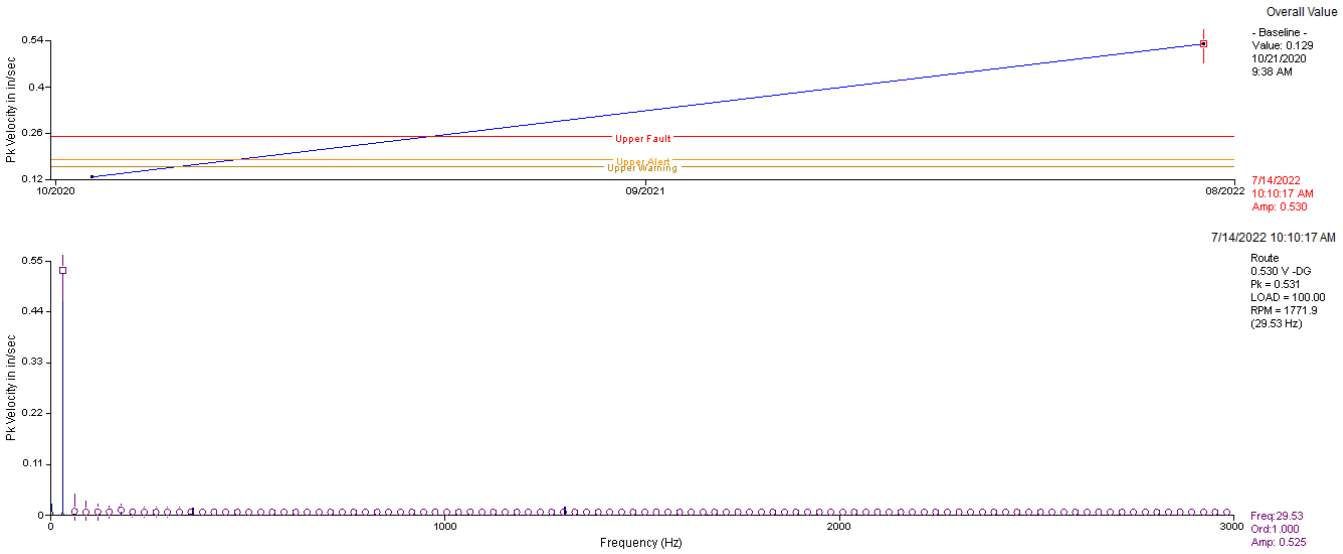
PV 7245 A CLASS I



Observation:
Data above is the pump inboard vertical. Spectrum shows a dominant 1 x rpm vibration.

Recommendation:
Pump may have some imbalance. This could be from coupling or pump shaft/impeller. For now ensure coupling is in good shape, check all fasteners, and ensure alignment is good.

PC 2301 B CLASS II



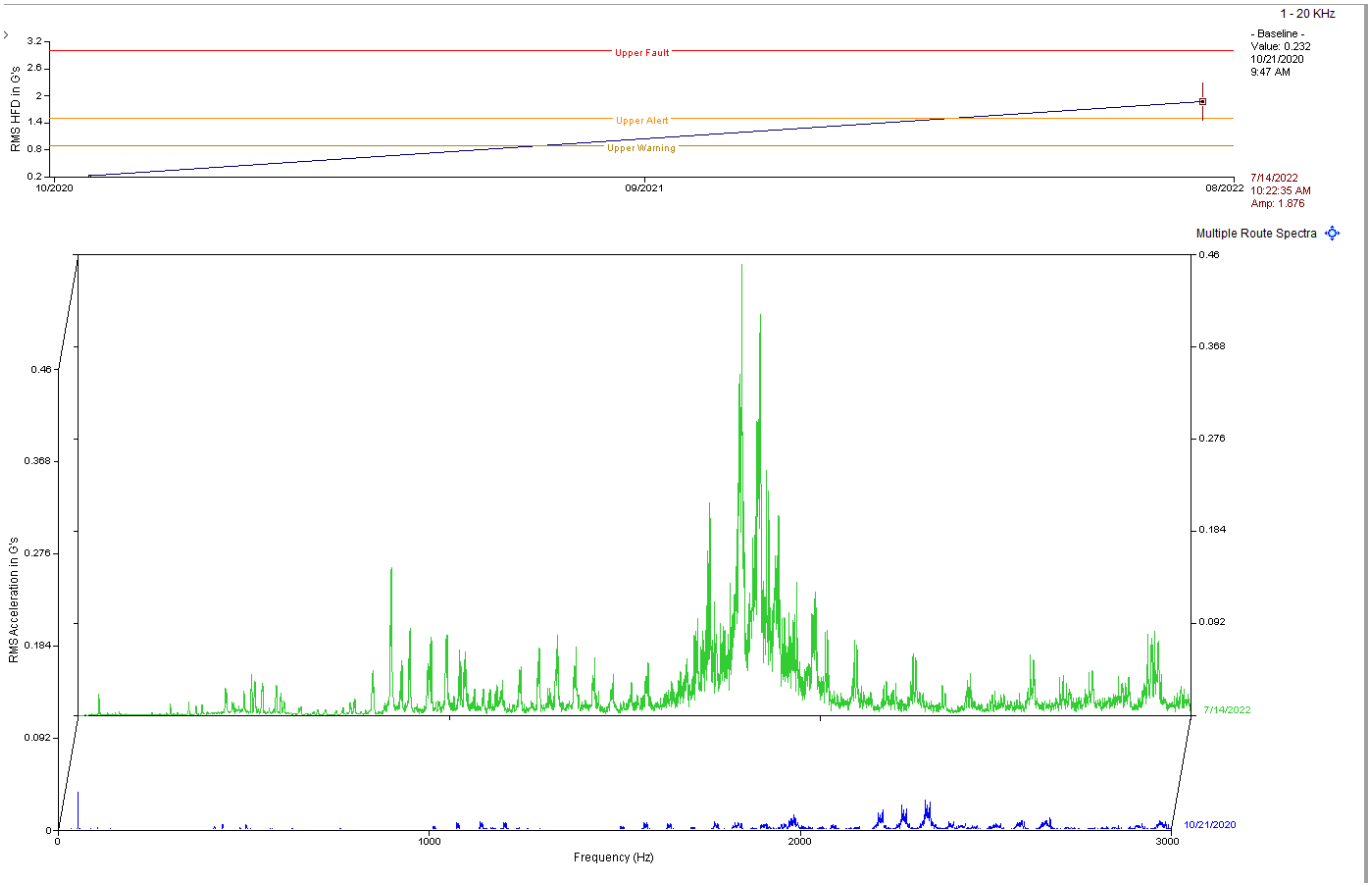
Observation:

Data above is MOH. Dominant 1 x rpm vibration is present. Trend shows an increase since last survey.

Recommendation:

The high 1 x rpm vibration could be due to loose fasteners, coupling issue, misalignment. Inspect motor for these issues as scheduling allows.

PC 1526 B CLASS III



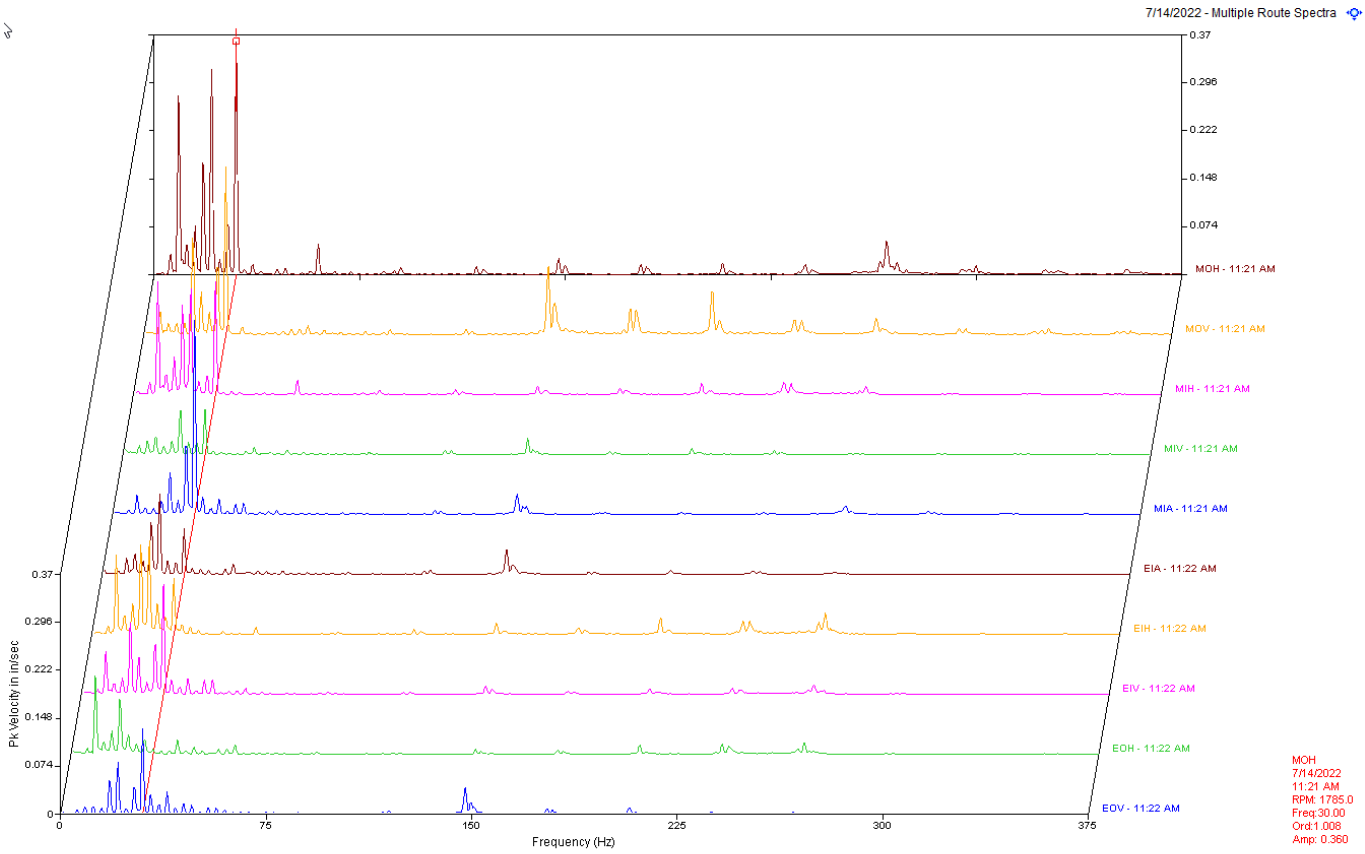
Observation:

MOV (motor outboard vertical) spectral waterfall shows an increase in non-synchronous vibration. Trend data also shows an increase in high frequency amplitude from .2 to 1.9 g's.

Recommendation:

Data shows defects are present in the motor. Motor should be replaced as soon as practical.

PC 1531 CLASS III



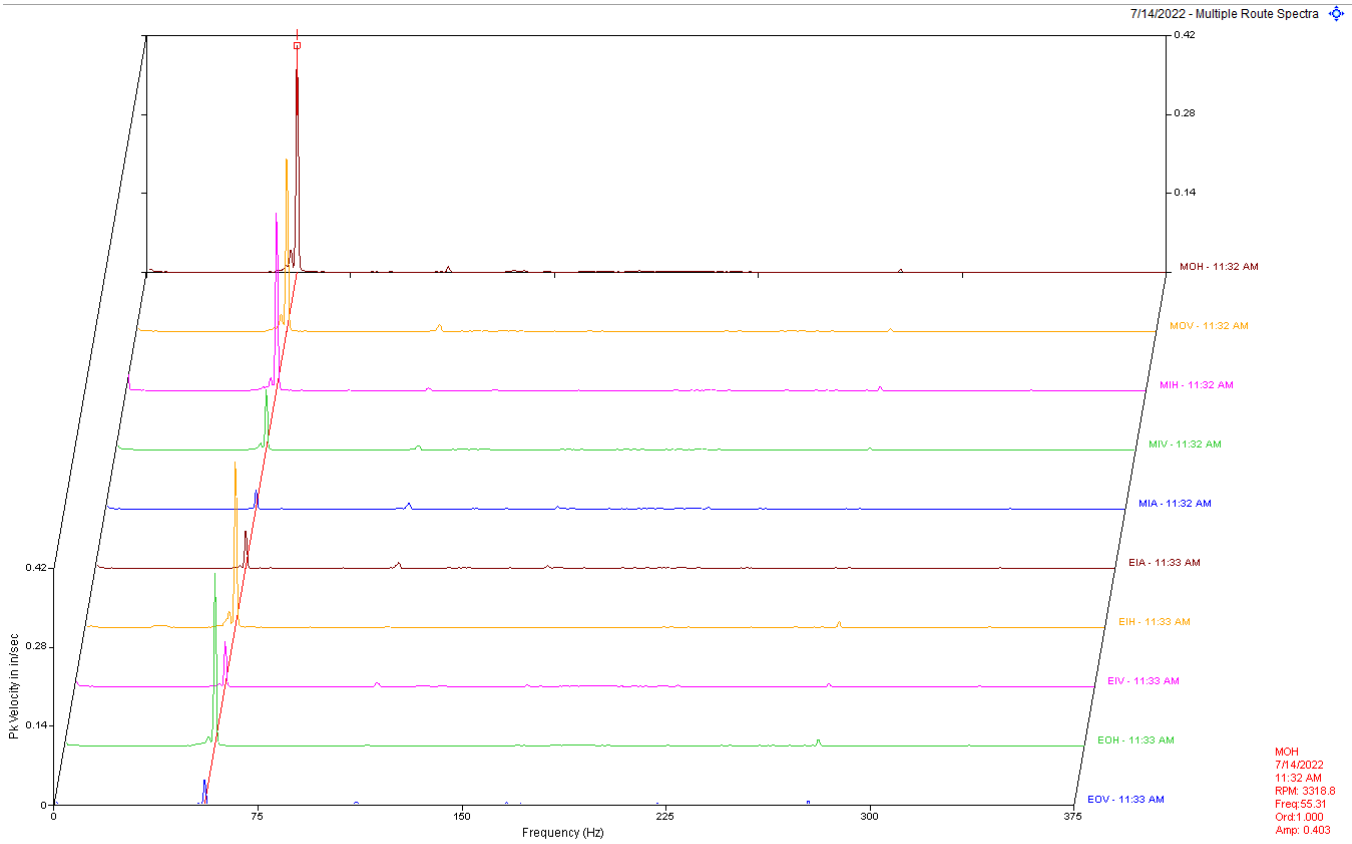
Observation:

Data above is multipoint spectra for motor and pump. There is a lot of sub-synchronous vibrations in the motor and pump but higher amplitude in the motor.

Recommendation:

This type of vibration may be due to worn drive components and or looseness of the motor. Inspect motor for internal looseness/wear and check couplings for wear soon. Ensure base and all fasteners are good and tight.

PC 1425 A CLASS II



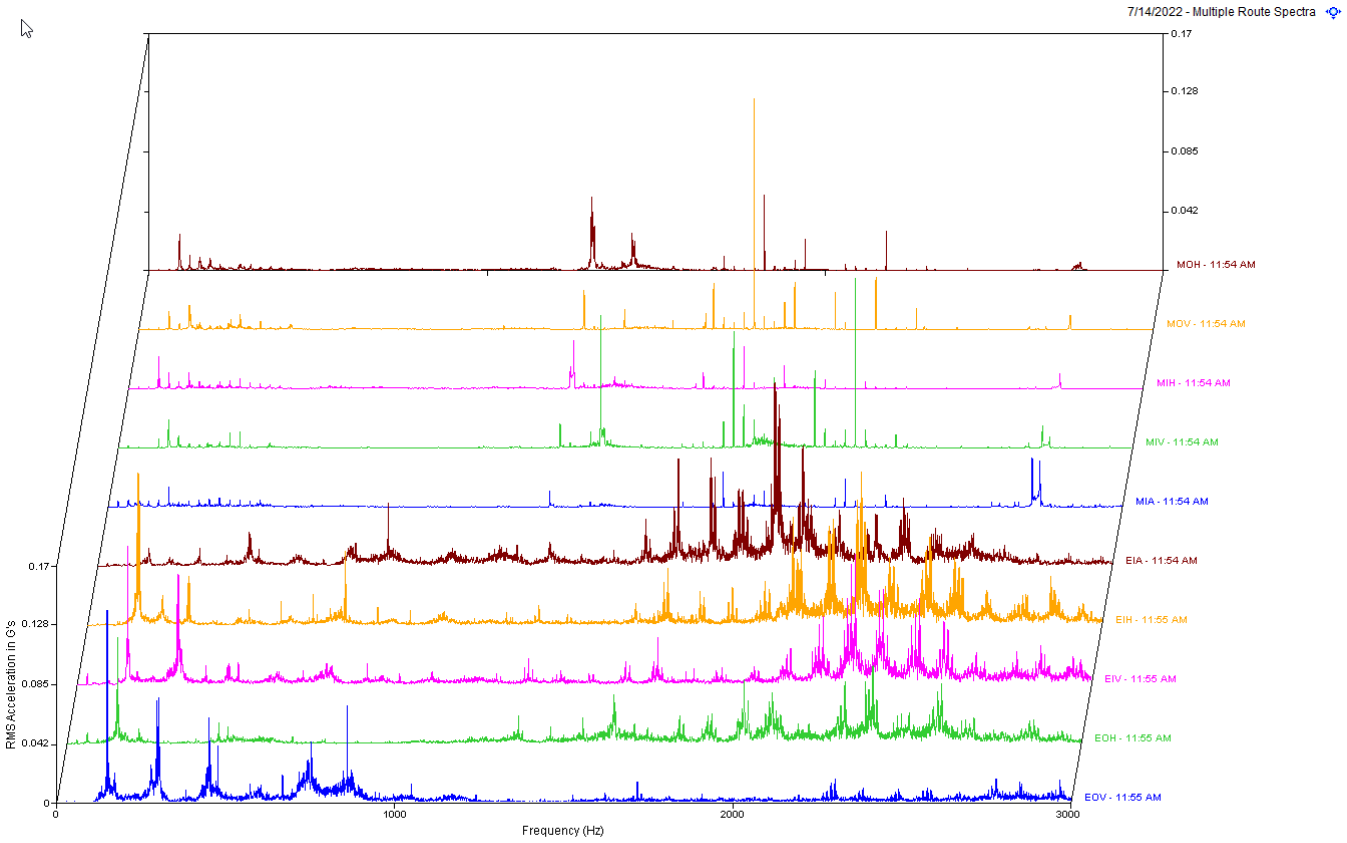
Observation:

Data above is multipoint spectra of motor and pump. Dominant 1 x rpm vibration is present in both motor and pump with highest amplitude in the motor.

Recommendation:

The high 1 x rpm vibration could be due to loose fasteners, coupling issue, misalignment. Inspect motor for these issues as scheduling allows.

PC 1001 A CLASS II



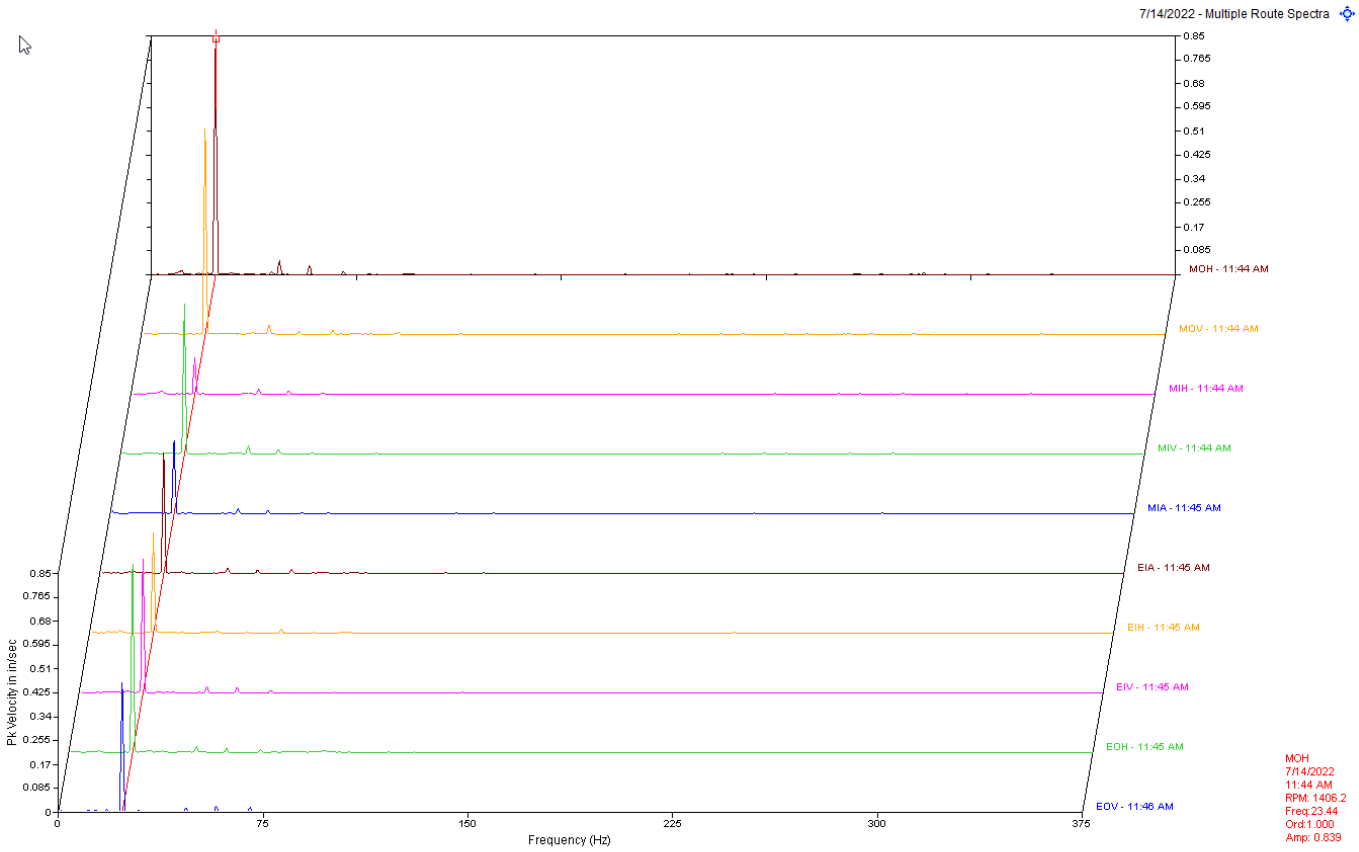
Observation:

Data above is multi point spectra of the motor and pump. Notice pump data shows higher frequency several peaks with 1.875 Hz. sidebands around these peaks.

Recommendation:

Pump data indicates internal issues in pump. This type of vibration may be impeller issue. There are some non-synchronous peaks present too. This is indication that the pump likely has some bearing issues as well. Pump needs to be inspected as time allows.

DAF Influent CLASS III



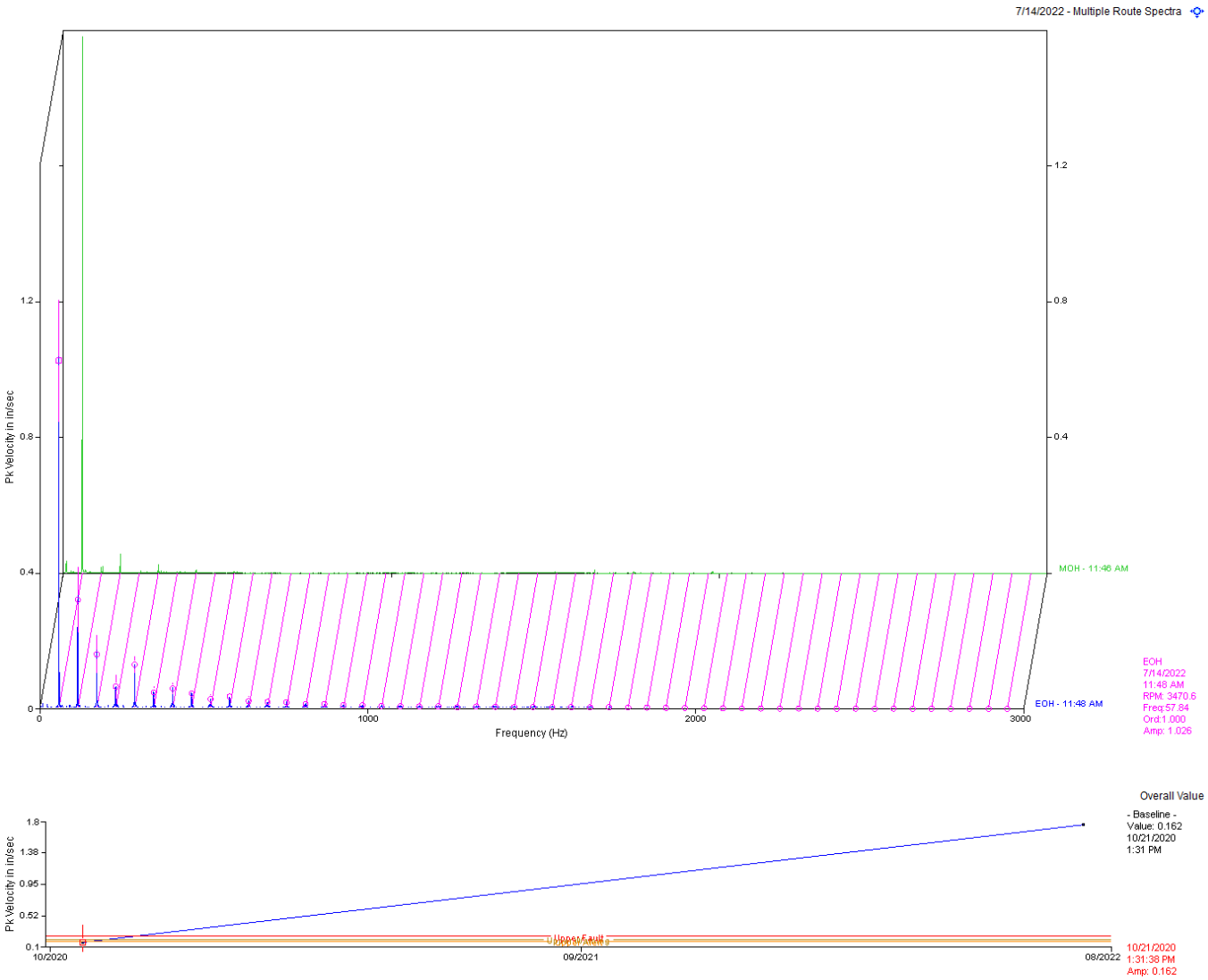
Observation:

Data above is multipoint spectra of motor and pump. Dominant 1 x rpm vibration is present in both motor and pump with highest amplitude in the motor.

Recommendation:

The high 1 x rpm vibration could be due to loose fasteners, coupling issue, misalignment. Inspect motor for these issues soon. This type of vibration may also be resonance if this motor/pump operates at various speeds.

Drum Circulation Pump **CLASS IV**



Observation:

Data above is multipoint spectra of motor MOH and pump POH. Dominant 1 x rpm vibration is present in motor while pump data shows high 1 x rpm with rpm harmonics. Trend data shows huge increase in amplitude at MOH. Increased from .16 to 1.6 ips-pk.

Recommendation:

The high 1 x rpm vibration could be due to loose fasteners, coupling issue, misalignment. The rpm harmonics in the pump data indicate looseness/wear of the pump fits and or couplings. Inspect unit for these issues as soon as possible.

Abbreviated Last Measurement Summary

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Database: Bio Energy .rbm
Route No. 1: 1ST HALF

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
4125 A - PC 4125 A	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.018 In/Sec	.089 G-s
MOV - MOTOR OB VERTICAL	.015 In/Sec	.132 G-s
MIH - MOTOR IB HORIZONTAL	.014 In/Sec	.081 G-s
MIV - MOTOR IB VERTICAL	.019 In/Sec	.074 G-s
MIA - MOTOR IB AXIAL	.012 In/Sec	.035 G-s
EIA - EQUIPMENT IB AXIAL	.043 In/Sec	.284 G-s
EIH - EQUIPMENT IB HORIZONTAL	.072 In/Sec	.731 G-s
EIV - EQUIPMENT IB VERTICAL	.030 In/Sec	.773 G-s
EOH - EQUIPMENT OB HORIZONTAL	.029 In/Sec	.137 G-s
EOV - EQUIPMENT OB VERTICAL	.015 In/Sec	.128 G-s
2106 - PC 2106	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.020 In/Sec	.115 G-s
MOV - MOTOR OB VERTICAL	.019 In/Sec	.113 G-s
MIH - MOTOR IB HORIZONTAL	.019 In/Sec	.232 G-s
MIV - MOTOR IB VERTICAL	.027 In/Sec	.175 G-s
MIA - MOTOR IB AXIAL	.030 In/Sec	.134 G-s
EIA - EQUIPMENT IB AXIAL	.048 In/Sec	.169 G-s
EIH - EQUIPMENT IB HORIZONTAL	.064 In/Sec	.282 G-s
EIV - EQUIPMENT IB VERTICAL	.032 In/Sec	.281 G-s
EOH - EQUIPMENT OB HORIZONTAL	.042 In/Sec	.044 G-s
EOV - EQUIPMENT OB VERTICAL	.041 In/Sec	.025 G-s
7210 B - PC 7210 B	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.024 In/Sec	1.659 G-s
MOV - MOTOR OB VERTICAL	.027 In/Sec	1.173 G-s
MIH - MOTOR IB HORIZONTAL	.021 In/Sec	.996 G-s
MIV - MOTOR IB VERTICAL	.032 In/Sec	1.350 G-s
MIA - MOTOR IB AXIAL	.033 In/Sec	.754 G-s
EIA - EQUIPMENT IB AXIAL	.036 In/Sec	1.681 G-s
EIH - EQUIPMENT IB HORIZONTAL	.047 In/Sec	1.285 G-s
EIV - EQUIPMENT IB VERTICAL	.026 In/Sec	.546 G-s
EOH - EQUIPMENT OB HORIZONTAL	.052 In/Sec	1.101 G-s
EOV - EQUIPMENT OB VERTICAL	.040 In/Sec	.947 G-s
7245 A - PV 7245 A	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.060 In/Sec	.122 G-s
MOV - MOTOR OB VERTICAL	.173 In/Sec	.259 G-s
MIH - MOTOR IB HORIZONTAL	.145 In/Sec	.110 G-s
MIV - MOTOR IB VERTICAL	.234 In/Sec	.203 G-s
MIA - MOTOR IB AXIAL	.145 In/Sec	.065 G-s
EIA - EQUIPMENT IB AXIAL	.104 In/Sec	.424 G-s
EIH - EQUIPMENT IB HORIZONTAL	.147 In/Sec	1.325 G-s
EIV - EQUIPMENT IB VERTICAL	.315 In/Sec	.932 G-s
EOH - EQUIPMENT OB HORIZONTAL	.286 In/Sec	.991 G-s
EOV - EQUIPMENT OB VERTICAL	.211 In/Sec	.828 G-s
7240 A - PC 7240 A	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.039 In/Sec	.207 G-s
MOV - MOTOR OB VERTICAL	.017 In/Sec	.152 G-s
MIH - MOTOR IB HORIZONTAL	.033 In/Sec	.158 G-s

MIV - MOTOR IB VERTICAL	.015 In/Sec	.167 G-s
MIA - MOTOR IB AXIAL	.013 In/Sec	.184 G-s
EIA - EQUIPMENT IB AXIAL	.032 In/Sec	.280 G-s
EIH - EQUIPMENT IB HORIZONTAL	.025 In/Sec	.247 G-s
EIV - EQUIPMENT IB VERTICAL	.029 In/Sec	.222 G-s
EOH - EQUIPMENT OB HORIZONTAL	.022 In/Sec	.214 G-s
EOV - EQUIPMENT OB VERTICAL	.022 In/Sec	.230 G-s

7215 B - PC 7215 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.056 In/Sec	.234 G-s
MOV - MOTOR OB VERTICAL	.136 In/Sec	.167 G-s
MIH - MOTOR IB HORIZONTAL	.078 In/Sec	.236 G-s
MIV - MOTOR IB VERTICAL	.168 In/Sec	.231 G-s
MIA - MOTOR IB AXIAL	.169 In/Sec	.175 G-s
EIA - EQUIPMENT IB AXIAL	.081 In/Sec	.519 G-s
EIH - EQUIPMENT IB HORIZONTAL	.079 In/Sec	.731 G-s
EIV - EQUIPMENT IB VERTICAL	.144 In/Sec	1.072 G-s
EOH - EQUIPMENT OB HORIZONTAL	.116 In/Sec	.320 G-s
EOV - EQUIPMENT OB VERTICAL	.135 In/Sec	.589 G-s

6110 A - PC 6110 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.015 In/Sec	.146 G-s
MOV - MOTOR OB VERTICAL	.012 In/Sec	.092 G-s
MIH - MOTOR IB HORIZONTAL	.021 In/Sec	.090 G-s
MIV - MOTOR IB VERTICAL	.012 In/Sec	.152 G-s
MIA - MOTOR IB AXIAL	.016 In/Sec	.077 G-s
EIA - EQUIPMENT IB AXIAL	.021 In/Sec	.084 G-s
EIH - EQUIPMENT IB HORIZONTAL	.044 In/Sec	.082 G-s
EIV - EQUIPMENT IB VERTICAL	.017 In/Sec	.076 G-s
EOH - EQUIPMENT OB HORIZONTAL	.043 In/Sec	.047 G-s

6120 B - PC 6120 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.032 In/Sec	.099 G-s
MOV - MOTOR OB VERTICAL	.026 In/Sec	.141 G-s
MIH - MOTOR IB HORIZONTAL	.024 In/Sec	.109 G-s
MIV - MOTOR IB VERTICAL	.016 In/Sec	.140 G-s
MIA - MOTOR IB AXIAL	.013 In/Sec	.063 G-s
EIA - EQUIPMENT IB AXIAL	.016 In/Sec	.146 G-s
EIH - EQUIPMENT IB HORIZONTAL	.022 In/Sec	.147 G-s
EIV - EQUIPMENT IB VERTICAL	.011 In/Sec	.189 G-s

2105 A - PC 2105 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.040 In/Sec	.742 G-s
MOV - MOTOR OB VERTICAL	.012 In/Sec	.639 G-s
MIH - MOTOR IB HORIZONTAL	.036 In/Sec	1.463 G-s
MIV - MOTOR IB VERTICAL	.012 In/Sec	1.135 G-s
MIA - MOTOR IB AXIAL	.012 In/Sec	.528 G-s
EIA - EQUIPMENT IB AXIAL	.066 In/Sec	.213 G-s
EIH - EQUIPMENT IB HORIZONTAL	.027 In/Sec	.290 G-s
EIV - EQUIPMENT IB VERTICAL	.040 In/Sec	.259 G-s
EOH - EQUIPMENT OB HORIZONTAL	.022 In/Sec	.261 G-s
EOV - EQUIPMENT OB VERTICAL	.037 In/Sec	.220 G-s

1621 A - PD 1621 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.016 In/Sec	.532 G-s
MOV - MOTOR OB VERTICAL	.012 In/Sec	.376 G-s
MIH - MOTOR IB HORIZONTAL	.011 In/Sec	.356 G-s
MIV - MOTOR IB VERTICAL	.0060 In/Sec	.443 G-s
MIA - MOTOR IB AXIAL	.022 In/Sec	.026 G-s
EIA - EQUIPMENT IB AXIAL	.011 In/Sec	.096 G-s
EIH - EQUIPMENT IB HORIZONTAL	.010 In/Sec	.169 G-s
EIV - EQUIPMENT IB VERTICAL	.0077 In/Sec	.233 G-s
EOH - EQUIPMENT OB HORIZONTAL	.010 In/Sec	.168 G-s
EOV - EQUIPMENT OB VERTICAL	.011 In/Sec	.139 G-s

1621 B - PD 1621 B	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.015 In/Sec	.072 G-s
MOV - MOTOR OB VERTICAL	.017 In/Sec	.133 G-s
MIH - MOTOR IB HORIZONTAL	.010 In/Sec	.098 G-s
MIV - MOTOR IB VERTICAL	.011 In/Sec	.158 G-s
MIA - MOTOR IB AXIAL	.021 In/Sec	.052 G-s
EIA - EQUIPMENT IB AXIAL	.020 In/Sec	.112 G-s
EIH - EQUIPMENT IB HORIZONTAL	.012 In/Sec	.117 G-s
EIV - EQUIPMENT IB VERTICAL	.012 In/Sec	.128 G-s
EOH - EQUIPMENT OB HORIZONTAL	.022 In/Sec	.112 G-s
EOV - EQUIPMENT OB VERTICAL	.014 In/Sec	.151 G-s

4410 B - PC 4410 B	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.048 In/Sec	.200 G-s
MOV - MOTOR OB VERTICAL	.022 In/Sec	.031 G-s
MIH - MOTOR IB HORIZONTAL	.042 In/Sec	.322 G-s
MIV - MOTOR IB VERTICAL	.013 In/Sec	.206 G-s
MIA - MOTOR IB AXIAL	.014 In/Sec	.166 G-s
EIA - EQUIPMENT IB AXIAL	.043 In/Sec	.168 G-s
EIH - EQUIPMENT IB HORIZONTAL	.047 In/Sec	.174 G-s
EIV - EQUIPMENT IB VERTICAL	.055 In/Sec	.150 G-s
EOH - EQUIPMENT OB HORIZONTAL	.030 In/Sec	.192 G-s
EOV - EQUIPMENT OB VERTICAL	.055 In/Sec	.118 G-s

2115 B - PV 2115 B	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.104 In/Sec	.197 G-s
MOV - MOTOR OB VERTICAL	.180 In/Sec	.164 G-s
MIH - MOTOR IB HORIZONTAL	.062 In/Sec	.247 G-s
MIV - MOTOR IB VERTICAL	.119 In/Sec	.219 G-s
MIA - MOTOR IB AXIAL	.100 In/Sec	.141 G-s
EIA - EQUIPMENT IB AXIAL	.079 In/Sec	.716 G-s
EIH - EQUIPMENT IB HORIZONTAL	.086 In/Sec	.396 G-s
EIV - EQUIPMENT IB VERTICAL	.084 In/Sec	.835 G-s
EOH - EQUIPMENT OB HORIZONTAL	.158 In/Sec	.654 G-s
EOV - EQUIPMENT OB VERTICAL	.063 In/Sec	.413 G-s

7225 A - PC 7225 A	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.072 In/Sec	.198 G-s
MOV - MOTOR OB VERTICAL	.054 In/Sec	.122 G-s
MIH - MOTOR IB HORIZONTAL	.036 In/Sec	.250 G-s
MIV - MOTOR IB VERTICAL	.029 In/Sec	.184 G-s
MIA - MOTOR IB AXIAL	.029 In/Sec	.134 G-s
EIA - EQUIPMENT IB AXIAL	.016 In/Sec	.239 G-s
EIH - EQUIPMENT IB HORIZONTAL	.015 In/Sec	.296 G-s
EIV - EQUIPMENT IB VERTICAL	.012 In/Sec	.274 G-s
EOH - EQUIPMENT OB HORIZONTAL	.022 In/Sec	.018 G-s
EOV - EQUIPMENT OB VERTICAL	.017 In/Sec	.214 G-s

2205 A - PC 2205 A	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.034 In/Sec	.235 G-s
MOV - MOTOR OB VERTICAL	.010 In/Sec	.183 G-s
MIH - MOTOR IB HORIZONTAL	.014 In/Sec	.195 G-s
MIV - MOTOR IB VERTICAL	.023 In/Sec	.147 G-s
MIA - MOTOR IB AXIAL	.089 In/Sec	.131 G-s
EIA - EQUIPMENT IB AXIAL	.019 In/Sec	.074 G-s
EIH - EQUIPMENT IB HORIZONTAL	.020 In/Sec	.096 G-s
EIV - EQUIPMENT IB VERTICAL	.016 In/Sec	.150 G-s
EOH - EQUIPMENT OB HORIZONTAL	.017 In/Sec	.074 G-s
EOV - EQUIPMENT OB VERTICAL	.013 In/Sec	.069 G-s

2510 B - PV 2510 B	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.158 In/Sec	.399 G-s
MOV - MOTOR OB VERTICAL	.232 In/Sec	.184 G-s
MIH - MOTOR IB HORIZONTAL	.075 In/Sec	.269 G-s

MIV - MOTOR IB VERTICAL	.189 In/Sec	.160 G-s
MIA - MOTOR IB AXIAL	.067 In/Sec	.032 G-s
EIA - EQUIPMENT IB AXIAL	.063 In/Sec	.118 G-s
EIH - EQUIPMENT IB HORIZONTAL	.048 In/Sec	.077 G-s
EIV - EQUIPMENT IB VERTICAL	.097 In/Sec	.177 G-s
EOH - EQUIPMENT OB HORIZONTAL	.089 In/Sec	.064 G-s
EOV - EQUIPMENT OB VERTICAL	.080 In/Sec	.123 G-s

2301 C - PC 2301 C (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.049 In/Sec	.256 G-s
MOV - MOTOR OB VERTICAL	.152 In/Sec	.231 G-s
MIH - MOTOR IB HORIZONTAL	.030 In/Sec	.129 G-s
MIV - MOTOR IB VERTICAL	.058 In/Sec	.114 G-s
MIA - MOTOR IB AXIAL	.058 In/Sec	.075 G-s
EIA - EQUIPMENT IB AXIAL	.049 In/Sec	.157 G-s
EIH - EQUIPMENT IB HORIZONTAL	.024 In/Sec	.079 G-s
EIV - EQUIPMENT IB VERTICAL	.033 In/Sec	.093 G-s
EOH - EQUIPMENT OB HORIZONTAL	.016 In/Sec	.075 G-s
EOV - EQUIPMENT OB VERTICAL	.022 In/Sec	.155 G-s

2301 B - PC 2301 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.530 In/Sec	.316 G-s
MOV - MOTOR OB VERTICAL	.030 In/Sec	.239 G-s
MIH - MOTOR IB HORIZONTAL	.307 In/Sec	.299 G-s
MIV - MOTOR IB VERTICAL	.019 In/Sec	.125 G-s
MIA - MOTOR IB AXIAL	.163 In/Sec	.079 G-s
EIA - EQUIPMENT IB AXIAL	.158 In/Sec	.238 G-s
EIH - EQUIPMENT IB HORIZONTAL	.148 In/Sec	.216 G-s
EIV - EQUIPMENT IB VERTICAL	.029 In/Sec	.143 G-s
EOH - EQUIPMENT OB HORIZONTAL	.059 In/Sec	.112 G-s
EOV - EQUIPMENT OB VERTICAL	.059 In/Sec	.340 G-s

2502 A - PC 2502 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.020 In/Sec	.013 G-s

2310 B - PC 2310 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.064 In/Sec	.157 G-s
MOV - MOTOR OB VERTICAL	.016 In/Sec	.244 G-s
MIH - MOTOR IB HORIZONTAL	.053 In/Sec	.150 G-s
MIV - MOTOR IB VERTICAL	.015 In/Sec	.158 G-s
MIA - MOTOR IB AXIAL	.017 In/Sec	.160 G-s
EIA - EQUIPMENT IB AXIAL	.046 In/Sec	.199 G-s
EIH - EQUIPMENT IB HORIZONTAL	.058 In/Sec	.099 G-s
EIV - EQUIPMENT IB VERTICAL	.030 In/Sec	.080 G-s
EOH - EQUIPMENT OB HORIZONTAL	.032 In/Sec	.191 G-s
EOV - EQUIPMENT OB VERTICAL	.020 In/Sec	.086 G-s

4110 B - PC 4110 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.012 In/Sec	.043 G-s
MOV - MOTOR OB VERTICAL	.0040 In/Sec	.054 G-s
MIH - MOTOR IB HORIZONTAL	.0055 In/Sec	.088 G-s
MIV - MOTOR IB VERTICAL	.0054 In/Sec	.122 G-s
MIA - MOTOR IB AXIAL	.011 In/Sec	.039 G-s
EIA - EQUIPMENT IB AXIAL	.0049 In/Sec	.039 G-s
EIH - EQUIPMENT IB HORIZONTAL	.0063 In/Sec	.023 G-s
EIV - EQUIPMENT IB VERTICAL	.0070 In/Sec	.018 G-s
EOH - EQUIPMENT OB HORIZONTAL	.0042 In/Sec	.022 G-s
EOV - EQUIPMENT OB VERTICAL	.0045 In/Sec	.014 G-s

5201 A - PC 5201 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.031 In/Sec	.317 G-s
MOV - MOTOR OB VERTICAL	.029 In/Sec	.454 G-s
MIH - MOTOR IB HORIZONTAL	.030 In/Sec	.186 G-s
MIV - MOTOR IB VERTICAL	.018 In/Sec	.295 G-s

MIA - MOTOR IB AXIAL	.029 In/Sec	.436 G-s
EIA - EQUIPMENT IB AXIAL	.019 In/Sec	.097 G-s
EIH - EQUIPMENT IB HORIZONTAL	.048 In/Sec	.050 G-s
EIV - EQUIPMENT IB VERTICAL	.016 In/Sec	.052 G-s
EOH - EQUIPMENT OB HORIZONTAL	.043 In/Sec	.078 G-s
EOV - EQUIPMENT OB VERTICAL	.014 In/Sec	.029 G-s

7501 B - PC 7501 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.038 In/Sec	.370 G-s
MOV - MOTOR OB VERTICAL	.012 In/Sec	.420 G-s
MIH - MOTOR IB HORIZONTAL	.020 In/Sec	.478 G-s
MIV - MOTOR IB VERTICAL	.011 In/Sec	.613 G-s
MIA - MOTOR IB AXIAL	.0076 In/Sec	.453 G-s
EIA - EQUIPMENT IB AXIAL	.017 In/Sec	.123 G-s
EIH - EQUIPMENT IB HORIZONTAL	.026 In/Sec	.118 G-s
EIV - EQUIPMENT IB VERTICAL	.011 In/Sec	.104 G-s
EOH - EQUIPMENT OB HORIZONTAL	.022 In/Sec	.066 G-s
EOV - EQUIPMENT OB VERTICAL	.0085 In/Sec	.119 G-s

7506 B - PC 7506 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.052 In/Sec	.111 G-s
MOV - MOTOR OB VERTICAL	.0089 In/Sec	.100 G-s
MIH - MOTOR IB HORIZONTAL	.034 In/Sec	.136 G-s
MIV - MOTOR IB VERTICAL	.0086 In/Sec	.222 G-s
MIA - MOTOR IB AXIAL	.015 In/Sec	.074 G-s
EIA - EQUIPMENT IB AXIAL	.028 In/Sec	.241 G-s
EIH - EQUIPMENT IB HORIZONTAL	.030 In/Sec	.227 G-s
EIV - EQUIPMENT IB VERTICAL	.025 In/Sec	.224 G-s
EOH - EQUIPMENT OB HORIZONTAL	.024 In/Sec	.157 G-s
EOV - EQUIPMENT OB VERTICAL	.020 In/Sec	.165 G-s

1526 B - PC 1526 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.101 In/Sec	.142 G-s
MOV - MOTOR OB VERTICAL	.142 In/Sec	1.876 G-s
MIH - MOTOR IB HORIZONTAL	.105 In/Sec	.445 G-s
MIV - MOTOR IB VERTICAL	.108 In/Sec	2.108 G-s
MIA - MOTOR IB AXIAL	.147 In/Sec	1.151 G-s
EIA - EQUIPMENT IB AXIAL	.030 In/Sec	.076 G-s
EIH - EQUIPMENT IB HORIZONTAL	.016 In/Sec	.102 G-s
EIV - EQUIPMENT IB VERTICAL	.032 In/Sec	.124 G-s
EOH - EQUIPMENT OB HORIZONTAL	.013 In/Sec	.094 G-s
EOV - EQUIPMENT OB VERTICAL	.017 In/Sec	.154 G-s

9901 B - PC 9901 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.046 In/Sec	.092 G-s
MOV - MOTOR OB VERTICAL	.026 In/Sec	.178 G-s
MIH - MOTOR IB HORIZONTAL	.043 In/Sec	.353 G-s
MIV - MOTOR IB VERTICAL	.034 In/Sec	.306 G-s
MIA - MOTOR IB AXIAL	.023 In/Sec	.301 G-s
EIA - EQUIPMENT IB AXIAL	.037 In/Sec	.811 G-s
EIH - EQUIPMENT IB HORIZONTAL	.037 In/Sec	.390 G-s
EIV - EQUIPMENT IB VERTICAL	.031 In/Sec	.437 G-s
EOH - EQUIPMENT OB HORIZONTAL	.037 In/Sec	.711 G-s
EOV - EQUIPMENT OB VERTICAL	.031 In/Sec	.537 G-s

4401 B - PC 4401 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.015 In/Sec	.026 G-s
MOV - MOTOR OB VERTICAL	.0068 In/Sec	.020 G-s
MIH - MOTOR IB HORIZONTAL	.0083 In/Sec	.046 G-s
MIV - MOTOR IB VERTICAL	.0055 In/Sec	.047 G-s
MIA - MOTOR IB AXIAL	.0051 In/Sec	.065 G-s
EIA - EQUIPMENT IB AXIAL	.0092 In/Sec	.105 G-s
EIH - EQUIPMENT IB HORIZONTAL	.0077 In/Sec	.046 G-s
EIV - EQUIPMENT IB VERTICAL	.0068 In/Sec	.041 G-s
EOH - EQUIPMENT OB HORIZONTAL	.0058 In/Sec	.066 G-s

EOV - EQUIPMENT OB VERTICAL	.0060 In/Sec	.039 G-s

3110 A - PC 3110 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.030 In/Sec	.307 G-s
MOV - MOTOR OB VERTICAL	.030 In/Sec	.343 G-s
MIH - MOTOR IB HORIZONTAL	.029 In/Sec	.247 G-s
MIV - MOTOR IB VERTICAL	.031 In/Sec	.207 G-s
MIA - MOTOR IB AXIAL	.038 In/Sec	.221 G-s
EIA - EQUIPMENT IB AXIAL	.030 In/Sec	.201 G-s
EIH - EQUIPMENT IB HORIZONTAL	.060 In/Sec	.451 G-s
EIV - EQUIPMENT IB VERTICAL	.018 In/Sec	.235 G-s
EOH - EQUIPMENT OB HORIZONTAL	.019 In/Sec	.149 G-s
EOV - EQUIPMENT OB VERTICAL	.010 In/Sec	.092 G-s

4101 A - PC 4101 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.027 In/Sec	.108 G-s
MOV - MOTOR OB VERTICAL	.0076 In/Sec	.139 G-s
MIH - MOTOR IB HORIZONTAL	.017 In/Sec	.188 G-s
MIV - MOTOR IB VERTICAL	.0091 In/Sec	.222 G-s
MIA - MOTOR IB AXIAL	.012 In/Sec	.462 G-s
EIA - EQUIPMENT IB AXIAL	.051 In/Sec	.085 G-s
EIH - EQUIPMENT IB HORIZONTAL	.064 In/Sec	.044 G-s
EIV - EQUIPMENT IB VERTICAL	.041 In/Sec	.0025 G-s
EOH - EQUIPMENT OB HORIZONTAL	.051 In/Sec	.062 G-s
EOV - EQUIPMENT OB VERTICAL	.019 In/Sec	.031 G-s

7522 B - PC 7522 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.157 In/Sec	.566 G-s
MOV - MOTOR OB VERTICAL	.081 In/Sec	.598 G-s
MIH - MOTOR IB HORIZONTAL	.105 In/Sec	.193 G-s
MIV - MOTOR IB VERTICAL	.052 In/Sec	.278 G-s
MIA - MOTOR IB AXIAL	.027 In/Sec	.198 G-s
EIA - EQUIPMENT IB AXIAL	.034 In/Sec	.302 G-s
EIH - EQUIPMENT IB HORIZONTAL	.093 In/Sec	.151 G-s
EIV - EQUIPMENT IB VERTICAL	.074 In/Sec	.394 G-s
EOH - EQUIPMENT OB HORIZONTAL	.073 In/Sec	.459 G-s
EOV - EQUIPMENT OB VERTICAL	.050 In/Sec	.344 G-s

9520 A - PC 9520 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.052 In/Sec	.312 G-s
MOV - MOTOR OB VERTICAL	.040 In/Sec	.401 G-s
MIH - MOTOR IB HORIZONTAL	.060 In/Sec	.626 G-s
MIV - MOTOR IB VERTICAL	.042 In/Sec	.561 G-s
MIA - MOTOR IB AXIAL	.063 In/Sec	.136 G-s
EIA - EQUIPMENT IB AXIAL	.100 In/Sec	1.392 G-s
EIH - EQUIPMENT IB HORIZONTAL	.088 In/Sec	1.248 G-s
EIV - EQUIPMENT IB VERTICAL	.064 In/Sec	1.340 G-s
EOH - EQUIPMENT OB HORIZONTAL	.097 In/Sec	1.359 G-s
EOV - EQUIPMENT OB VERTICAL	.062 In/Sec	.976 G-s

9701 B - PC 9701 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.239 In/Sec	.387 G-s
MOV - MOTOR OB VERTICAL	.170 In/Sec	.559 G-s
MIH - MOTOR IB HORIZONTAL	.151 In/Sec	.632 G-s
MIV - MOTOR IB VERTICAL	.197 In/Sec	.523 G-s
MIA - MOTOR IB AXIAL	.046 In/Sec	.317 G-s
EIA - EQUIPMENT IB AXIAL	.133 In/Sec	.338 G-s
EIH - EQUIPMENT IB HORIZONTAL	.126 In/Sec	.270 G-s
EIV - EQUIPMENT IB VERTICAL	.118 In/Sec	.265 G-s
EOH - EQUIPMENT OB HORIZONTAL	.131 In/Sec	.136 G-s
EOV - EQUIPMENT OB VERTICAL	.045 In/Sec	.170 G-s

9621 B - PC 9621 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.073 In/Sec	1.309 G-s

MOV - MOTOR OB VERTICAL	.033 In/Sec	.517 G-s
MIH - MOTOR IB HORIZONTAL	.029 In/Sec	.667 G-s
MIV - MOTOR IB VERTICAL	.024 In/Sec	.430 G-s
MIA - MOTOR IB AXIAL	.040 In/Sec	.243 G-s
EIA - EQUIPMENT IB AXIAL	.025 In/Sec	.426 G-s
EIH - EQUIPMENT IB HORIZONTAL	.039 In/Sec	.466 G-s
EIV - EQUIPMENT IB VERTICAL	.038 In/Sec	.404 G-s
EOH - EQUIPMENT OB HORIZONTAL	.034 In/Sec	.394 G-s
EOV - EQUIPMENT OB VERTICAL	.037 In/Sec	.360 G-s

2101 A - PC 2101 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.037 In/Sec	.452 G-s
MOV - MOTOR OB VERTICAL	.0093 In/Sec	.487 G-s
MIH - MOTOR IB HORIZONTAL	.030 In/Sec	.625 G-s
MIV - MOTOR IB VERTICAL	.010 In/Sec	.604 G-s
MIA - MOTOR IB AXIAL	.0093 In/Sec	.616 G-s
EIA - EQUIPMENT IB AXIAL	.019 In/Sec	.120 G-s
EIH - EQUIPMENT IB HORIZONTAL	.012 In/Sec	.071 G-s
EIV - EQUIPMENT IB VERTICAL	.0091 In/Sec	.070 G-s
EOH - EQUIPMENT OB HORIZONTAL	.011 In/Sec	.147 G-s
EOV - EQUIPMENT OB VERTICAL	.0081 In/Sec	.067 G-s

1520 A - PC 1520 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.070 In/Sec	.283 G-s
MOV - MOTOR OB VERTICAL	.057 In/Sec	.419 G-s
MIH - MOTOR IB HORIZONTAL	.135 In/Sec	.463 G-s
MIV - MOTOR IB VERTICAL	.045 In/Sec	.477 G-s
MIA - MOTOR IB AXIAL	.099 In/Sec	.429 G-s
EIA - EQUIPMENT IB AXIAL	.057 In/Sec	.384 G-s
EIH - EQUIPMENT IB HORIZONTAL	.054 In/Sec	.607 G-s
EIV - EQUIPMENT IB VERTICAL	.074 In/Sec	.600 G-s
EOH - EQUIPMENT OB HORIZONTAL	.093 In/Sec	.326 G-s
EOV - EQUIPMENT OB VERTICAL	.067 In/Sec	.447 G-s

6501 B - PC 6501 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.032 In/Sec	.075 G-s
MOV - MOTOR OB VERTICAL	.012 In/Sec	.063 G-s
MIH - MOTOR IB HORIZONTAL	.026 In/Sec	.086 G-s
MIV - MOTOR IB VERTICAL	.010 In/Sec	.041 G-s
MIA - MOTOR IB AXIAL	.025 In/Sec	.038 G-s
EIA - EQUIPMENT IB AXIAL	.041 In/Sec	.090 G-s
EIH - EQUIPMENT IB HORIZONTAL	.033 In/Sec	.066 G-s
EIV - EQUIPMENT IB VERTICAL	.017 In/Sec	.062 G-s
EOH - EQUIPMENT OB HORIZONTAL	.028 In/Sec	.067 G-s
EOV - EQUIPMENT OB VERTICAL	.011 In/Sec	.056 G-s

7252 B - PC 7252 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.036 In/Sec	.117 G-s
MOV - MOTOR OB VERTICAL	.011 In/Sec	.142 G-s
MIH - MOTOR IB HORIZONTAL	.028 In/Sec	.416 G-s
MIV - MOTOR IB VERTICAL	.010 In/Sec	.393 G-s
MIA - MOTOR IB AXIAL	.0090 In/Sec	.205 G-s
EIA - EQUIPMENT IB AXIAL	.038 In/Sec	.457 G-s
EIH - EQUIPMENT IB HORIZONTAL	.070 In/Sec	.220 G-s
EIV - EQUIPMENT IB VERTICAL	.040 In/Sec	.339 G-s
EOH - EQUIPMENT OB HORIZONTAL	.067 In/Sec	.637 G-s
EOV - EQUIPMENT OB VERTICAL	.028 In/Sec	.426 G-s

1531 - PC 1531 (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.630 In/Sec	.267 G-s
MOV - MOTOR OB VERTICAL	.398 In/Sec	.545 G-s
MIH - MOTOR IB HORIZONTAL	.355 In/Sec	.280 G-s
MIV - MOTOR IB VERTICAL	.124 In/Sec	.207 G-s
MIA - MOTOR IB AXIAL	.345 In/Sec	.254 G-s
EIA - EQUIPMENT IB AXIAL	.192 In/Sec	.236 G-s

EIH - EQUIPMENT IB HORIZONTAL	.290 In/Sec	.138 G-s
EIV - EQUIPMENT IB VERTICAL	.258 In/Sec	.163 G-s
EOH - EQUIPMENT OB HORIZONTAL	.178 In/Sec	.058 G-s
EOV - EQUIPMENT OB VERTICAL	.195 In/Sec	.165 G-s

4304 B - PC 4304 B (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.053 In/Sec	.177 G-s
MOV - MOTOR OB VERTICAL	.028 In/Sec	.225 G-s
MIH - MOTOR IB HORIZONTAL	.053 In/Sec	.274 G-s
MIV - MOTOR IB VERTICAL	.025 In/Sec	.193 G-s
MIA - MOTOR IB AXIAL	.055 In/Sec	.168 G-s
EIA - EQUIPMENT IB AXIAL	.040 In/Sec	.532 G-s
EIH - EQUIPMENT IB HORIZONTAL	.032 In/Sec	.275 G-s
EIV - EQUIPMENT IB VERTICAL	.032 In/Sec	.288 G-s
EOH - EQUIPMENT OB HORIZONTAL	.030 In/Sec	.336 G-s
EOV - EQUIPMENT OB VERTICAL	.028 In/Sec	.409 G-s

4306 A - PC 4306 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.039 In/Sec	.119 G-s
MOV - MOTOR OB VERTICAL	.022 In/Sec	.130 G-s
MIH - MOTOR IB HORIZONTAL	.041 In/Sec	.106 G-s
MIV - MOTOR IB VERTICAL	.022 In/Sec	.131 G-s
MIA - MOTOR IB AXIAL	.028 In/Sec	.099 G-s
EIA - EQUIPMENT IB AXIAL	.013 In/Sec	.060 G-s
EIH - EQUIPMENT IB HORIZONTAL	.015 In/Sec	.045 G-s
EIV - EQUIPMENT IB VERTICAL	.011 In/Sec	.044 G-s
EOH - EQUIPMENT OB HORIZONTAL	.010 In/Sec	.050 G-s
EOV - EQUIPMENT OB VERTICAL	.0088 In/Sec	.047 G-s

4300 A - PC 4300 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.048 In/Sec	.063 G-s
MOV - MOTOR OB VERTICAL	.010 In/Sec	.118 G-s
MIH - MOTOR IB HORIZONTAL	.042 In/Sec	.118 G-s
MIV - MOTOR IB VERTICAL	.011 In/Sec	.160 G-s
MIA - MOTOR IB AXIAL	.015 In/Sec	.082 G-s
EIA - EQUIPMENT IB AXIAL	.018 In/Sec	.093 G-s
EIH - EQUIPMENT IB HORIZONTAL	.029 In/Sec	.121 G-s
EIV - EQUIPMENT IB VERTICAL	.014 In/Sec	.087 G-s
EOH - EQUIPMENT OB HORIZONTAL	.024 In/Sec	.143 G-s
EOV - EQUIPMENT OB VERTICAL	.013 In/Sec	.145 G-s

1430 A - PC 1430 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.080 In/Sec	.150 G-s
MOV - MOTOR OB VERTICAL	.075 In/Sec	.177 G-s
MIH - MOTOR IB HORIZONTAL	.074 In/Sec	.217 G-s
MIV - MOTOR IB VERTICAL	.046 In/Sec	.246 G-s
MIA - MOTOR IB AXIAL	.047 In/Sec	.140 G-s
EIA - EQUIPMENT IB AXIAL	.030 In/Sec	.149 G-s
EIH - EQUIPMENT IB HORIZONTAL	.067 In/Sec	.158 G-s
EIV - EQUIPMENT IB VERTICAL	.029 In/Sec	.194 G-s
EOH - EQUIPMENT OB HORIZONTAL	.065 In/Sec	.263 G-s
EOV - EQUIPMENT OB VERTICAL	.037 In/Sec	.311 G-s

1425 A - PC 1425 A (14-Jul-22)

	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.432 In/Sec	.308 G-s
MOV - MOTOR OB VERTICAL	.331 In/Sec	.308 G-s
MIH - MOTOR IB HORIZONTAL	.337 In/Sec	.256 G-s
MIV - MOTOR IB VERTICAL	.116 In/Sec	.355 G-s
MIA - MOTOR IB AXIAL	.043 In/Sec	.173 G-s
EIA - EQUIPMENT IB AXIAL	.077 In/Sec	.280 G-s
EIH - EQUIPMENT IB HORIZONTAL	.317 In/Sec	.231 G-s
EIV - EQUIPMENT IB VERTICAL	.088 In/Sec	.200 G-s
EOH - EQUIPMENT OB HORIZONTAL	.328 In/Sec	.350 G-s
EOV - EQUIPMENT OB VERTICAL	.056 In/Sec	.358 G-s

9003 - PC 9003	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.049 In/Sec	.255 G-s
MOV - MOTOR OB VERTICAL	.036 In/Sec	.205 G-s
MIH - MOTOR IB HORIZONTAL	.037 In/Sec	.132 G-s
MIV - MOTOR IB VERTICAL	.058 In/Sec	.222 G-s
MIA - MOTOR IB AXIAL	.121 In/Sec	.107 G-s
EIA - EQUIPMENT IB AXIAL	.014 In/Sec	.153 G-s
EIH - EQUIPMENT IB HORIZONTAL	.017 In/Sec	.164 G-s
EIV - EQUIPMENT IB VERTICAL	.016 In/Sec	.200 G-s
EOH - EQUIPMENT OB HORIZONTAL	.013 In/Sec	.134 G-s
EOV - EQUIPMENT OB VERTICAL	.018 In/Sec	.146 G-s

1001 - PC 1001 A	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.043 In/Sec	.442 G-s
MOV - MOTOR OB VERTICAL	.029 In/Sec	.226 G-s
MIH - MOTOR IB HORIZONTAL	.034 In/Sec	.117 G-s
MIV - MOTOR IB VERTICAL	.024 In/Sec	.146 G-s
MIA - MOTOR IB AXIAL	.037 In/Sec	.330 G-s
EIA - EQUIPMENT IB AXIAL	.049 In/Sec	.831 G-s
EIH - EQUIPMENT IB HORIZONTAL	.146 In/Sec	.641 G-s
EIV - EQUIPMENT IB VERTICAL	.107 In/Sec	.532 G-s
EOH - EQUIPMENT OB HORIZONTAL	.085 In/Sec	.491 G-s
EOV - EQUIPMENT OB VERTICAL	.135 In/Sec	.190 G-s

INFLUENT - DAF INFULENT	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.845 In/Sec	.190 G-s
MOV - MOTOR OB VERTICAL	.736 In/Sec	.195 G-s
MIH - MOTOR IB HORIZONTAL	.136 In/Sec	.100 G-s
MIV - MOTOR IB VERTICAL	.538 In/Sec	.120 G-s
MIA - MOTOR IB AXIAL	.263 In/Sec	.100 G-s
EIA - EQUIPMENT IB AXIAL	.435 In/Sec	.056 G-s
EIH - EQUIPMENT IB HORIZONTAL	.359 In/Sec	.027 G-s
EIV - EQUIPMENT IB VERTICAL	.480 In/Sec	.048 G-s
EOH - EQUIPMENT OB HORIZONTAL	.676 In/Sec	.027 G-s
EOV - EQUIPMENT OB VERTICAL	.468 In/Sec	.045 G-s

CIRC PUMP - DRUM CIRCULATION PUMP	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	1.760 In/Sec	.403 G-s
MOV - MOTOR OB VERTICAL	1.526 In/Sec	.462 G-s
MIH - MOTOR IB HORIZONTAL	.300 In/Sec	.099 G-s
MIV - MOTOR IB VERTICAL	.451 In/Sec	.219 G-s
MIA - MOTOR IB AXIAL	1.110 In/Sec	.130 G-s
EIA - EQUIPMENT IB AXIAL	.736 In/Sec	.232 G-s
EIH - EQUIPMENT IB HORIZONTAL	.673 In/Sec	.103 G-s
EIV - EQUIPMENT IB VERTICAL	1.632 In/Sec	.377 G-s
EOH - EQUIPMENT OB HORIZONTAL	1.304 In/Sec	1.559 G-s
EOV - EQUIPMENT OB VERTICAL	1.553 In/Sec	.098 G-s

EFFULENT - DAF EFFULENT	(14-Jul-22)	
	OVERALL LEVEL	1 - 20 KHz
MOH - MOTOR OB HORIZONTAL	.102 In/Sec	.103 G-s
MOV - MOTOR OB VERTICAL	.061 In/Sec	.173 G-s
MIH - MOTOR IB HORIZONTAL	.114 In/Sec	.119 G-s
MIV - MOTOR IB VERTICAL	.041 In/Sec	.151 G-s
MIA - MOTOR IB AXIAL	.058 In/Sec	.110 G-s
EIA - EQUIPMENT IB AXIAL	.065 In/Sec	.044 G-s
EIH - EQUIPMENT IB HORIZONTAL	.122 In/Sec	.061 G-s
EIV - EQUIPMENT IB VERTICAL	.066 In/Sec	.070 G-s
EOH - EQUIPMENT OB HORIZONTAL	.128 In/Sec	.032 G-s
EOV - EQUIPMENT OB VERTICAL	.088 In/Sec	.032 G-s

Clarification Of Vibration Units:

Acc	--> G-s	RMS
Vel	--> In/Sec	PK

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

Sincerely,

ISO Certified Vibration Analyst, Category III

HI-SPEED INDUSTRIAL SERVICE

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