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North Shelby Plant Millington, TN

The following is a summary of findings from the May 2025 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

# 301 Flare Blower CLASS I



# **Observations:**

Data above is the waterfall spectra of the motor and blower. There appears to be some non-synchronous peaks present in the motor spectra.

### **Recommendations:**

Data is indicative of motor bearing defects. This issue appears to be at a low level at this time. We are monitoring this closely.

# Rinse Compressor CLASS II



#### **Observations:**

Drive motor data shows some high frequency vibration. Motor is also making a squealing type noise. Peakvue data shows some harmonics at 2.93 orders of rpm which is likely a bearing defect fundamental. MIH data also shows waveform peak amplitude is around 8.3 g's.

#### Recommendations:

Vibration characteristics indicate a lube issue or bearing wear. Motor likely needs attention during next extended shutdown. We are monitoring this closely. Rated as a **CLASS II** defect for now.

## 451A Vacuum Pump CLASS II



#### **Observations:**

Data above is the pump inboard (drive end) horizontal . There appears to be some non-synchronous peaks present in the spectra. 1-20 Khz amplitude is also trending upward according to trend data.

#### **Recommendations:**

Data is indicative of pump bearing defects. Pump may also have some internal impeller wear. We are monitoring this closely.

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MEASUREMENT POINT     OVERALL LEVEL     HED / VHFD       301 FLARE     - 301 FLARE BLOWER     (15-May-25)       MOH     .091 In/Sec     .266 G-s       MOV     .280 In/Sec     .266 G-s       MIH     .133 In/Sec     .157 G-s       MIN     .091 In/Sec     .266 G-s       MIN     .091 In/Sec     .129 G-s       MIN     .040 In/Sec     .129 G-s       MIN     .040 In/Sec     .129 G-s       EIN     .040 In/Sec     .129 G-s       EIN     .040 In/Sec     .133 G-s       EON     .067 In/Sec     .133 G-s       EON     .167 In/Sec     .133 G-s       EON     .167 In/Sec     .133 G-s       MOH     .125 In/Sec     2.172 G-s       MIH     .100 In/Sec     .195 G-s       IIIA     .101 In/Sec     .1692 G-s       IIIA     .101 In/Sec     .169 G-s       IIIA     .101 In/Sec     .195 G-s       IIIA     .101 In/Sec     .169 G-s       OH     .097 In/Sec     .103 G-s	Database: Clean Energy.rbm Area: millington plant						
301 FLARE   - 301 FLARE BLOWER   (15-May-25)     MOH   .091 In/Sec   1.057 G-s     MOV   .280 In/Sec   .286 G-s     MIH   .133 In/Sec   .1859 G-s     MIV   .178 In/Sec   .129 G-s     MIN   .040 In/Sec   .312 G-s     EIH   .188 In/Sec   .133 G-s     EIN   .067 In/Sec   .133 G-s     EOH   .111 In/Sec   .608 G-s     EOV   .167 In/Sec   .133 G-s     RINSE COMP   RINSE COMPRESSOR   (15-May-25)     MOH   .125 In/Sec   .172 G-s     MIH   .100 In/Sec   .1692 G-s     MIH   .102 In/Sec   .663 G-s     MIA   .109 In/Sec   .1692 G-s     III   .109 In/Sec   .130 G-s     MIA   .109 In/Sec   .100 G-s     OIH   .074 In/Sec   .130 G-s     MIA   .109 In/Sec   .100 G-s     OIH   .071 In/Sec   .203 G-s     IIIA   .115 In/Sec   .203 G-s     IIIA   .101 In/Sec   .203 G-s     IIIA	MEASUREMENT POIN	T OVERALL LEVEL	HFD / VHFD				
OVERALL LEVEL   IR-20KHz     MOH   .091 In/Sec   1.057 G-s     MOV   .280 In/Sec   .286 G-s     MIH   .133 In/Sec   1.859 G-s     MIV   .178 In/Sec   .129 G-s     MIA   .040 In/Sec   .312 G-s     EIH   .188 In/Sec   .121 G-s     EIN   .067 In/Sec   .133 G-s     EOH   .141 In/Sec   .608 G-s     EOH   .141 In/Sec   .133 G-s     RINSE COMP   RINSE COMPRESSOR   (15-May-25)     OVERALL LEVEL   IK-20KHz     MOH   .1225 In/Sec   1.692 G-s     MIA   .100 In/Sec   .195 G-s     MIA   .100 In/Sec   .195 G-s     IIA   .102 In/Sec   .203 G-s     MIA   .009 In/Sec   .203 G-s     IIA   .101 In/Sec   .203 G-s     IIA   .102 In/Sec   .100 G-s     OIA   .203 In/Sec   .203 G-s     IIA   .107 In/Sec   .203 G-s     IIA   .107 In/Sec   .203 G-s     IIA   .017 In/Sec   .208 G-s	301 FLARE - 301	FLARE BLOWER	(15-May-25)				
NOH     .091 In/Sec     1.057 G-s       MOV     .280 In/Sec     .286 G-s       MIH     .133 In/Sec     .129 G-s       MIA     .040 In/Sec     .393 G-s       EIH     .188 In/Sec     .129 G-s       MIA     .040 In/Sec     .393 G-s       EIH     .188 In/Sec     .119 G-s       EIA     .067 In/Sec     .133 G-s       EOH     .141 In/Sec     .608 G-s       EOV     .167 In/Sec     .133 G-s       EON     .1225 In/Sec     .133 G-s       MIP     .1223 G-s	501 11111 501	OVERALL LEVEL	1K-20KHz				
NOV     280 In/Sec     286 G-s       MIH     1.33 In/Sec     1.859 G-s       MIN     1.78 In/Sec     1.29 G-s       MIA     .040 In/Sec     .393 G-s       EIH     1.88 In/Sec     .312 G-s       EIY     .088 In/Sec     .419 G-s       EOH     .141 In/Sec     .333 G-s       EOH     .141 In/Sec     .133 G-s       EOH     .141 In/Sec     .133 G-s       MIN     .125 In/Sec     2.172 G-s       MIP     1.223 G-s	мон		1 057 G-s				
MIH   1.030   1.7/Sec   1.850   G-s     MIV   1.78   In/Sec   1.29   G-s     MIA   0.40   In/Sec   .129   G-s     EIH   1.88   In/Sec   .129   G-s     EIH   .188   In/Sec   .131   G-s     EIA   .067   In/Sec   .133   G-s     EOH   .141   In/Sec   .608   G-s     EOV   .167   In/Sec   .133   G-s     RINSE COMP   RINSE COMPRESSOR   (15-May-25)   OVERALL LEVEL   IK-20KHz     MOH   .125   In/Sec   1.692   G-s     MIP   1.203   G-s	MOV	280 Tn/Sec	286 G-s				
MIN   1.785   In/Sec   1.29   G-s     MIA   .040   In/Sec   .393   G-s     EIH   .188   In/Sec   .312   G-s     EIV   .088   In/Sec   .313   G-s     EIN   .067   In/Sec   .133   G-s     EOH   .141   In/Sec   .133   G-s     EON   .167   In/Sec   .133   G-s     ENSE COMP   RINSE COMPRESSOR   (15-May-25)     OVERALL LEVEL   IK-20KHz     MOH   .125   In/Sec   1.692   G-s     MIA   .109   In/Sec   .1692   G-s     MIA   .109   In/Sec   .1093   G-s     IIA   .115   In/Sec   .203   G-s     IIA   .109   In/Sec   .203   G-s     IIA   .109   In/Sec   .203   G-s     IIA   .109   In/Sec   .203   G-s     IIA   .101   In/Sec   .133   G-s     OH   .007   In/Sec	мтн	133 Tn/Sec	1 859 G-s				
MIA   0.40 In/Sec   1.33 G-s     EIH   1.88 In/Sec   .312 G-s     EIV   0.68 In/Sec   .419 G-s     EIA   0.67 In/Sec   .133 G-s     EON   1.41 In/Sec   .608 G-s     EOV   .167 In/Sec   .133 G-s     EOV   .167 In/Sec   .133 G-s     EOV   .167 In/Sec   .133 G-s     MIH   .125 In/Sec   2.172 G-s     MIP   1.223 G-s   .195 G-s     MIH   .109 In/Sec   .195 G-s     MIA   .109 In/Sec   .195 G-s     IIA   .115 In/Sec   .223 G-s     MIA   .109 In/Sec   .633 G-s     IIA   .115 In/Sec   .203 G-s     IIA   .091 In/Sec   .100 G-s     OH   .097 In/Sec   .100 G-s     OH   .097 In/Sec   .103 G-s     IIA   .128 In/Sec   .133 G-s     VAC COMP   VACUUM COMPRESOR   (15-May-25)     VAC COMP   VACUUM COMPRESOR   (15-May-25)     VAC COMP   VACUUM COMPRESOR   (15-May-25)     MOH   .1	MTV	178 In/Sec	129 G-s				
EIH   1.88 In/Sec   .131 G-s     EIV   .088 In/Sec   .419 G-s     EIA   .067 In/Sec   .133 G-s     EOH   .141 In/Sec   .608 G-s     EOV   .167 In/Sec   .133 G-s     RINSE COMP - RINSE COMPRESSOR   (15-May-25)     OVERALL LEVEL   IK-20KHz     MOH   .125 In/Sec   2.172 G-s     MIP   1.223 G-s     MIH   .102 In/Sec   1.692 G-s     MIA   .109 In/Sec   .163 G-s     IIA   .115 In/Sec   .203 G-s     IIA   .115 In/Sec   .203 G-s     IIA   .115 In/Sec   .003 G-s     IIA   .115 In/Sec   .003 G-s     IIA   .128 In/Sec   .136 G-s     OIH   .079 In/Sec   .603 G-s     OIA   .128 In/Sec   .108 G-s     OIA   .128 In/Sec   .1093 G-s     IIA   .011 In/Sec   .203 G-s     IIA   .012 In/Sec   .036 G-s     OIA   .128 In/Sec   .203 G-s     IIA   .051 In/Sec   .1031 G-s     IIH </th <th>MTA</th> <th>040 In/Sec</th> <th>393 G-s</th>	MTA	040 In/Sec	393 G-s				
EIV .088 In/Sec .113 G-s EIA .067 In/Sec .133 G-s EOH .141 In/Sec .608 G-s EOV .167 In/Sec .133 G-s RINSE COMP - RINSE COMPRESSOR (15-May-25) OVERALL LEVEL IK-20KHz MOH .125 In/Sec 2.172 G-s MIP 1.223 G-s MIH .102 In/Sec 1.692 G-s MIA .109 In/Sec .195 G-s IIH .074 In/Sec .728 G-s IIH .074 In/Sec .728 G-s IIA .115 In/Sec .203 G-s OH .099 In/Sec .1000 G-s OIH .099 In/Sec .136 G-s OH .097 In/Sec 1.000 G-s OIH .097 In/Sec .136 G-s WIH .079 In/Sec .136 G-s OH .097 In/Sec .134 G-s OOH .097 In/Sec .1287 G-s IIA .011 In/Sec .1287 G-s IIA .011 In/Sec .1287 G-s IIA .011 In/Sec .103 G-s IIH .0051 In/Sec .103 G-s IIH .0061 In/Sec .133 G-s OH .170 In/Sec .103 G-s IIA .071 In/Sec .103 G-s IIA .071 In/Sec .103 G-s OH .086 In/Sec 1.131 G-s MOV .209 In/Sec .1341 G-s OOH .086 In/Sec 1.133 G-s MIH .033 In/Sec .157 G-s MIH .033 In/Sec .157 G-s MIA .051 In/Sec .133 G-s MIH .033 In/Sec .157 G-s MIA .051 In/Sec .133 G-s MIH .033 In/Sec .157 G-s MIH .033 In/Sec .133 G-s MIH .048 In/Sec .133 G-s MIA .051 In/Sec .133 G-s MIA .051 In/Sec .133 G-s MIA .051 In/Sec .133 G-s EIH .049 In/Sec .031 G-s EIH .049 In/Sec .031 G-s EIH .049 In/Sec .031 G-s EIH .049 In/Sec .133 G-s EIH .049 In/Sec .133 G-s EIH .049 In/Sec .133 G-s EIH .049 In/Sec .133 G-s EIN .068 In/Sec .119 G-s EIN .095 In/Sec .119 G-s EIN .095 In/Sec .091 G-s	EIH	.188 In/Sec	.312 G-s				
EIA   .067 In/Sec   .113 G-s     EOH   .141 In/Sec   .608 G-s     EOV   .167 In/Sec   .133 G-s     RINSE COMP - RINSE COMPRESSOR   (15-May-25)   OVERALL LEVEL   IK-20KHz     MOH   .1225 In/Sec   2.172 G-s     MIP   1.223 G-s   IK     MIH   .102 In/Sec   1.692 G-s     MIA   .109 In/Sec   .195 G-s     IIA   .115 In/Sec   .203 G-s     IIA   .109 In/Sec   .100 G-s     OIH   .074 In/Sec   .103 G-s     IIA   .115 In/Sec   .203 G-s     IIA   .115 In/Sec   .100 G-s     OIH   .079 In/Sec   .663 G-s     OIH   .099 In/Sec   .100 G-s     OIA   .124 In/Sec   .103 G-s     MIH   .011 In/Sec   .093 G-s     IIA   .017 In/Sec   .103 G-s     IIA   .011 In/Sec   .283 G-s     IIA   .011 In/Sec   .562 G-s     IIA   .071 In/Sec   .133 G-s     OIH   .084 In/Sec   .527 G-s     IIA <th>ETV</th> <th>088 In/Sec</th> <th>419 G-s</th>	ETV	088 In/Sec	419 G-s				
EOH	EIA	.067 In/Sec	.133 G-s				
EOV   .167 In/Sec   .133 G-s     RINSE COMP - RINSE COMPRESSOR   (15-May-25)     OVERALL LEVEL   IK-20KHz     MOH   .125 In/Sec   2.172 G-s     MIP   1.223 G-s   IK     MIH   .102 In/Sec   1.692 G-s     MIA   .109 In/Sec   .195 G-s     IIH   .074 In/Sec   .223 G-s     IIH   .074 In/Sec   .1093 G-s     IIH   .074 In/Sec   .203 G-s     IOH   .099 In/Sec   .663 G-s     OH   .097 In/Sec   .1000 G-s     OIH   .097 In/Sec   .1000 G-s     OIH   .097 In/Sec   .1000 G-s     OH   .124 In/Sec   .128 G-s     MOH   .124 In/Sec   .136 G-s     OH   .097 In/Sec   .1000 G-s     OH   .097 In/Sec   .120 Ta     MOH   .124 In/Sec   .128 G-s     MIH   .011 In/Sec   .283 G-s     IIH   .058 In/Sec   .120 G-s     IIH   .058 In/Sec   .131 G-s     IIH   .058 In/Sec   .131 G-s	EOH	.141 In/Sec	.608 G-s				
RINSE COMP - RINSE COMPRESSOR   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .125 In/Sec   2.172 G-s     MIP   1.223 G-s   1.692 G-s     MIH   .102 In/Sec   1.692 G-s     MIA   .109 In/Sec   .195 G-s     IIA   .109 In/Sec   .195 G-s     IIH   .074 In/Sec   .728 G-s     IIA   .115 In/Sec   .203 G-s     IIH   .074 In/Sec   .663 G-s     OIH   .099 In/Sec   .136 G-s     OIH   .079 In/Sec   .136 G-s     OIH   .079 In/Sec   .136 G-s     OOH   .097 In/Sec   .136 G-s     MOH   .124 In/Sec   .1033 G-s     MIA   .001 In/Sec   .283 G-s     IIH   .051 In/Sec   .126 G-s     IIH   .051 In/Sec   .123 G-s     IOH   .170 In/Sec   .103 G-s     IOH   .101 In/Sec   .27 G-s	EOV	.167 In/Sec	.133 G-s				
OVERALL LEVEL     IK-20KHz       MOH     .125 In/Sec     2.172 G-s       MIP     1.223 G-s       MIH     .102 In/Sec     1.692 G-s       MIA     .109 In/Sec     .195 G-s       MIA     .109 In/Sec     .195 G-s       IIH     .074 In/Sec     .203 G-s       IIH     .079 In/Sec     1.000 G-s       OIH     .099 In/Sec     .136 G-s       OIH     .079 In/Sec     .136 G-s       OIH     .097 In/Sec     .126 In/Sec       MOH     .124 In/Sec     .103 G-s       MIA     .058 In/Sec     .283 G-s       IIIA     .011 In/Sec     .103 G-s       IIA     .011 In/Sec     .103 G-s       IIA     .051 In/Sec     .103 G-s       IIA     .051 In/Sec     .144 G-s       OOH     .086 In/Sec     .113 G-s	RINSE COMP - RIN	SE COMPRESSOR	(15-May-25)				
MOH     .125 In/Sec     2.172 G-s       M1P     1.223 G-s       M1H     .102 In/Sec     1.692 G-s       M2P     1.305 G-s       MIA     .109 In/Sec     .195 G-s       IIH     .074 In/Sec     .728 G-s       IIA     .115 In/Sec     .203 G-s       IOH     .099 In/Sec     .663 G-s       OIH     .079 In/Sec     .136 G-s       OIH     .079 In/Sec     .136 G-s       OOH     .097 In/Sec     .136 G-s       OOH     .097 In/Sec     .128 In/Sec       OOH     .097 In/Sec     .197 G-s       WAC COMP     - VACUUM COMPRESSOR     (15-May-25)       OVERALL LEVEL     1K-20KHz       MOH     .124 In/Sec     .1207 G-s       MIA     .051 In/Sec     .103 G-s       IIA     .071 In/Sec     .662 G-s       IIA     .071 In/Sec     .103 G-s       IOH     .170 In/Sec     .103 G-s       OIH     .084 In/Sec     .527 G-s       OIH     .086 In/Sec     .1113 G-s <t< th=""><th></th><th>OVERALL LEVEL</th><th>1K-20KHz</th></t<>		OVERALL LEVEL	1K-20KHz				
MIP 1.223 G-s MIH .102 In/Sec 1.692 G-s MZP 1.305 G-s MIA .109 In/Sec .195 G-s IIH .074 In/Sec .728 G-s IIH .079 In/Sec .728 G-s IIA .115 In/Sec .728 G-s IOH .099 In/Sec .663 G-s OIH .099 In/Sec 1.000 G-s OIH .079 In/Sec 1.000 G-s OIH .079 In/Sec .1000 G-s OOH .097 In/Sec .136 G-s OOH .097 In/Sec .1093 G-s MIH .124 In/Sec 1.093 G-s MIH .101 In/Sec 1.287 G-s MIH .051 In/Sec .283 G-s IIH .051 In/Sec .283 G-s IIH .051 In/Sec .562 G-s OIH .084 In/Sec .562 G-s OIH .084 In/Sec .1247 G-s OOH .086 In/Sec .144 G-s OOH .086 In/Sec 1.341 G-s OOH .086 In/Sec 1.341 G-s OOH .086 In/Sec .157 G-s MIH .033 In/Sec .157 G-s MIH .033 In/Sec .157 G-s MIH .033 In/Sec .157 G-s MIH .033 In/Sec .157 G-s MIH .049 In/Sec .133 G-s MIN .049 In/Sec .281 G-s MIN .049 In/Sec .271 G-s MIN .049 In/Sec .271 G-s MIN .048 In/Sec .271 G-s MIN .048 In/Sec .271 G-s MIN .048 In/Sec .157 G-s MIN .051 In/Sec .133 G-s MIN .052 In/Sec .104 G-s MIN .048 In/Sec .271 G-s MIN .064 In/Sec .128 G-s MIN .066 In/Sec .104 G-s MIH .048 In/Sec .171 G-s MIN .066 In/Sec .128 G-s MIN .066 In/Sec .128 G-s MIN .066 In/Sec .128 G-s MIN .066 In/Sec .119 G-s EIH .049 In/Sec .331 G-s EIN .095 In/Sec .139 G-s	MOH	.125 In/Sec	2.172 G-s				
MTH   .102 In/Sec   1.692 G-s     M2P   1.305 G-s     MTA   .109 In/Sec   .195 G-s     IIH   .074 In/Sec   .728 G-s     IIH   .074 In/Sec   .728 G-s     IIH   .074 In/Sec   .728 G-s     IIH   .074 In/Sec   .203 G-s     IOH   .099 In/Sec   .663 G-s     OIH   .099 In/Sec   1.306 G-s     OIA   .128 In/Sec   .136 G-s     OOH   .097 In/Sec   .136 G-s     OOH   .097 In/Sec   .136 G-s     OOH   .097 In/Sec   .128 In/Sec     VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     OVERALL LEVEL   IK-20KHz     MOH   .124 In/Sec   1.827 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .626 G-s     IIH   .051 In/Sec   .627 G-s     OIH   .084 In/Sec   .527 G-s     OIH   .084 In/Sec   .1341 G-s     OOH   .086 In/Sec   1.113 G-s     MOH   .065 In/Sec   .1313 G-s  <	M1P	1.223 G-s					
M2P 1.305 G-s MIA .109 In/Sec .195 G-s IIH .074 In/Sec .728 G-s IIA .115 In/Sec .203 G-s IOH .099 In/Sec .663 G-s OIH .099 In/Sec .1000 G-s OIA .128 In/Sec .136 G-s OOH .097 In/Sec .797 G-s VAC COMP - VACUUM COMPRESSOR (15-May-25) VAC COMP - VACUUM COMPRESSOR (15-May-25) VAC COMP - VACUUM COMPRESSOR (15-May-25) MIA .124 In/Sec 1.093 G-s MIH .124 In/Sec 1.093 G-s MIA .058 In/Sec .283 G-s IIH .051 In/Sec .283 G-s IIH .051 In/Sec .103 G-s OIH .0171 In/Sec .103 G-s OIH .0171 In/Sec .103 G-s OIH .0171 In/Sec .103 G-s OIH .0184 In/Sec .527 G-s OIA .120 In/Sec .144 G-s OOH .086 In/Sec 1.341 G-s COOLFAN1 - COOLING FAN 1 (15-May-25) OVERALL LEVEL IK-20KHz MOH .065 In/Sec .1341 G-s MIA .033 In/Sec .890 G-s MIN .033 In/Sec .157 G-s MIA .051 In/Sec .157 G-s MIA .051 In/Sec .104 G-s MIA .051 In/Sec .120 G-s MIA .051 In/Sec .120 G-s MIH .033 In/Sec .157 G-s MIA .051 In/Sec .121 G-s MIA .051 In/Sec .123 G-s MIA .051 In/Sec .123 G-s MIA .051 In/Sec .124 G-s MIA .051 In/Sec .126 G-s MIA .051 In/Sec .127 G-s MIA .051 In/Sec .128 G-s MIA .051 In/Sec .104 G-s MIA .048 In/Sec .021 G-s MIA .068 In/Sec .119 G-s EIA .095 In/Sec .113 G-s	MIH	.102 In/Sec	1.692 G-s				
MIA .109 In/Sec .195 G-s IIH .074 In/Sec .728 G-s IIA .115 In/Sec .203 G-s IOH .099 In/Sec .663 G-s OIH .079 In/Sec 1.000 G-s OIA .128 In/Sec .136 G-s OOH .097 In/Sec .797 G-s VAC COMP - VACUUM COMPRESSOR (15-May-25) OVERALL LEVEL 1K-20KHz MOH .124 In/Sec 1.093 G-s MIH .001 In/Sec 1.287 G-s MIA .058 In/Sec .283 G-s IIH .051 In/Sec .103 G-s IIH .051 In/Sec .103 G-s OIH .071 In/Sec .103 G-s OIH .084 In/Sec .527 G-s OIA .120 In/Sec .144 G-s OOH .086 In/Sec 1.113 G-s MIN .033 In/Sec .157 G-s MIA .051 In/Sec .1341 G-s COOLFAN1 - COOLING FAN 1 (15-May-25) OVERALL LEVEL 1K-20KHz MOH .065 In/Sec .1113 G-s MIV .033 In/Sec .157 G-s MIA .051 In/Sec .133 G-s MIN .051 In/Sec .133 G-s MIN .051 In/Sec .128 G-s MIH .033 In/Sec .157 G-s MIA .051 In/Sec .133 G-s MIN .051 In/Sec .134 G-s MIN .051 In/Sec .128 G-s MIN .051 In/Sec .128 G-s MIN .051 In/Sec .128 G-s MIA .049 In/Sec .271 G-s MIA .048 In/Sec .271 G-s MIA .048 In/Sec .271 G-s MIA .048 In/Sec .128 G-s MIN .066 In/Sec .104 G-s MIN .048 In/Sec .128 G-s MIN .068 In/Sec .128 G-s MIA .068 In/Sec .128 G-s MIA .068 In/Sec .128 G-s MIA .068 In/Sec .114 G-s MIA .068 In/Sec .119 G-s EIN .049 In/Sec .331 G-s EIN .049 In/Sec .031 G-s EIN .049 In/Sec .031 G-s	M2P	1.305 G-s					
IIH   .074 In/Sec   .728 G-s     IIA   .115 In/Sec   .203 G-s     IOH   .099 In/Sec   .663 G-s     OIH   .079 In/Sec   1.000 G-s     OIA   .128 In/Sec   .136 G-s     OOH   .097 In/Sec   .136 G-s     MOH   .124 In/Sec   1.093 G-s     MIA   .058 In/Sec   .287 G-s     IIA   .011 In/Sec   .626 G-s     IIA   .071 In/Sec   .103 G-s     OIH   .0164 In/Sec   .120 In/Sec     OH   .065 In/Sec   1.113 G-s     OOH   .006 In/Sec   .1113 G-s     MOH   .065 In/Sec   .157 G-s     MIA   .033 In/Sec   .632	MIA	.109 In/Sec	.195 G-s				
IIA   .115 In/Sec   .203 G-s     IOH   .099 In/Sec   1.000 G-s     OIH   .079 In/Sec   1.36 G-s     OIA   .128 In/Sec   .136 G-s     OOH   .097 In/Sec   .797 G-s     VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     MOH   .124 In/Sec   1.093 G-s     MIH   .101 In/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .622 G-s     IIA   .071 In/Sec   .103 G-s     IOH   .170 In/Sec   .103 G-s     IOH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     OOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .133 G-s     MOV   .209 In/Sec   .133 G-s     MOV   .209 In/Sec   .133 G-s     MOV   .065 In/Sec   .133 G-s     MOV   .062 In/Sec   .133 G-s     MOV   .	IIH	.074 In/Sec	.728 G-s				
IOH   .099 In/Sec   .663 G-s     OIH   .079 In/Sec   .1000 G-s     OIA   .128 In/Sec   .136 G-s     OOH   .097 In/Sec   .797 G-s     VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     WOH   .124 In/Sec   1.093 G-s     MIH   .101 In/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .103 G-s     IOH   .071 In/Sec   .103 G-s     IOH   .071 In/Sec   .103 G-s     IOH   .071 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     OOH   .065 In/Sec   .113 G-s     MOH   .065 In/Sec   .133 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   IK-20KHz   MOH     MOH   .061 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   IK-20KHz   MOH     MOH	IIA	.115 In/Sec	.203 G-s				
OIH   .079 In/Sec   1.000 G-s     OIA   .128 In/Sec   .136 G-s     OOH   .097 In/Sec   .797 G-s     VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .124 In/Sec   1.093 G-s     MIH   .101 In/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .562 G-s     IIA   .071 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .890 G-s     MIH   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-	IOH	.099 In/Sec	.663 G-s				
OIA   .128 In/Sec   .136 G-s     OOH   .097 In/Sec   .797 G-s     VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .124 In/Sec   1.093 G-s     MIH   .101 In/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .562 G-s     IIA   .071 In/Sec   .103 G-s     IOH   .170 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   IK-20KHz   MOH     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   IK-20KHz   MOH     MOH   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL<	OIH	.079 In/Sec	1.000 G-s				
OOH   .097 In/Sec   .797 G-s     VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .124 In/Sec   1.093 G-s     MIH   .101 In/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .103 G-s     IIA   .051 In/Sec   .103 G-s     IOH   .071 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz   .051 In/Sec     MOH   .062 In/Sec   .133 G-s     MOH   .049 In/Sec   .271 G-s     MOV   .062 In/Sec	OIA	.128 In/Sec	.136 G-s				
VAC COMP   - VACUUM COMPRESSOR   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .124 In/Sec   1.093 G-s     MIH   .101 In/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .562 G-s     IIA   .071 In/Sec   .103 G-s     IOH   .170 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .1341 G-s     OOH   .065 In/Sec   1.341 G-s     OOH   .065 In/Sec   1.113 G-s     MOH   .065 In/Sec   1.113 G-s     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   .133 G-s     COOLFAN2   COOLING FAN 2   (15-May-25)     MIA   .051 In/Sec   .632 G-s     MIA   .051 In/Sec   .133 G-s     MOH   .062 In/Sec   .6	ООН	.097 In/Sec	.797 G-s				
MOH     .124 In/Sec     IR-20KHZ       MOH     .124 In/Sec     1.093 G-s       MIH     .101 In/Sec     1.287 G-s       MIA     .058 In/Sec     .283 G-s       IIH     .051 In/Sec     .283 G-s       IIH     .051 In/Sec     .283 G-s       IIA     .071 In/Sec     .103 G-s       IOH     .170 In/Sec     .807 G-s       OIH     .084 In/Sec     .527 G-s       OIA     .120 In/Sec     .144 G-s       OOH     .086 In/Sec     1.341 G-s       COOLFAN1     - COOLING FAN 1     (15-May-25)       OVERALL LEVEL     1K-20KHz       MOH     .065 In/Sec     .113 G-s       MOV     .209 In/Sec     .228 G-s       MIH     .033 In/Sec     .157 G-s       MIA     .051 In/Sec     .133 G-s       COOLFAN2     - COOLING FAN 2     (15-May-25)       OVERALL LEVEL     1K-20KHz       MOH     .051 In/Sec     .133 G-s       COOLFAN2     - COOLING FAN 2     (15-May-25)       OVERALL LEVEL	VAC COMP - VAC	UUM COMPRESSOR	(15-May-25)				
MIH   .124 III/Sec   1.093 G-s     MIA   .101 In/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .103 G-s     IIA   .071 In/Sec   .103 G-s     IOH   .170 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MIA   .062 In/Sec   .104 G-s     MOV   .062 In/Sec   .104 G-s     MOH   .049 In/Sec   .218 G-s     MIH   .048 In/Sec   .218 G-s	NOU	124 TR /See	1.002.C.				
MIA   .101 III/Sec   1.287 G-s     MIA   .058 In/Sec   .283 G-s     IIH   .051 In/Sec   .562 G-s     IIA   .071 In/Sec   .103 G-s     IOH   .170 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MIA   .062 In/Sec   .104 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s	MOH	.124 IN/Sec	1.095 G-S				
IIH   .051 In/Sec   .203 G-s     IIH   .051 In/Sec   .562 G-s     IIA   .071 In/Sec   .103 G-s     IOH   .170 In/Sec   .103 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   IK-20KHz     MOH   .065 In/Sec   .113 G-s     MOV   .033 In/Sec   .890 G-s     MIH   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   IK-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .049 In/Sec   .218 G-s     MIH   .048 In/Sec   .218 G-s     MIA   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .119 G-s     EIH   .049 In/Sec   .331 G-s </th <th>MIN</th> <th>.101 III/Sec</th> <th>283 G-s</th>	MIN	.101 III/Sec	283 G-s				
IIA   .001 In/Sec   .002 G-s     IIA   .001 In/Sec   .003 G-s     IOH   .170 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz   .051 In/Sec     MOH   .049 In/Sec   .124 G-s     MOH   .049 In/Sec   .128 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .2128 G-s     MIA   .068 In/Sec   .128 G-s     MIA   .068 In/Sec	TTU	.050 III/Sec	.203 G-s				
IOH   .170 In/Sec   .100 G s     IOH   .170 In/Sec   .807 G-s     OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIX   .051 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MOV   .062 In/Sec   .128 G-s     MIH   .049 In/Sec   .271 G-s     MIA   .068 In/Sec   .081 G-s     MIA   .068 In/Sec   .081 G-s	1 III T T A	.031 IN/Sec	103 G-s				
OIH   .084 In/Sec   .527 G-s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIN   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .049 In/Sec   .632 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s	TOH	170 Jp/Sec	807 G-s				
OIA   .1004 In/Sec   .127 G s     OIA   .120 In/Sec   .144 G-s     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .049 In/Sec   .104 G-s     MIH   .048 In/Sec   .128 G-s     MIN   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s	014	.170 IN/Sec	527 G-s				
OIN   .120 In/Sec   .144 G S     OOH   .086 In/Sec   1.341 G-s     COOLFAN1   - COOLING FAN 1   (15-May-25)     MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIN   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .1	014	120 Tr/Sec	144 G-s				
COOLFAN1   - COOLING FAN 1   (15-May-25)     MOH   .065 In/Sec   1.113 G-s     MOV   .065 In/Sec   1.113 G-s     MOV   .003 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIX   .068 In/Sec   .081 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIN   .068 In/Sec   .091 G-s     EIN   .095 In/Sec   .091 G-s     EIA   .095 In/Sec   .091 G-s	OOH	.086 In/Sec	1.341 G-s				
OVERALL LEVEL     1K-20KHz       MOH     .065 In/Sec     1.113 G-s       MOV     .209 In/Sec     .228 G-s       MIH     .033 In/Sec     .890 G-s       MIV     .033 In/Sec     .157 G-s       MIA     .051 In/Sec     .133 G-s       COOLFAN2     - COOLING FAN 2     (15-May-25)       OVERALL LEVEL     1K-20KHz       MOH     .049 In/Sec     .632 G-s       MOV     .062 In/Sec     .104 G-s       MIH     .048 In/Sec     .271 G-s       MIV     .064 In/Sec     .128 G-s       MIA     .068 In/Sec     .081 G-s       EIH     .049 In/Sec     .331 G-s       EIN     .068 In/Sec     .091 G-s       EIN     .095 In/Sec     .091 G-s       EIA     .095 In/Sec     .091 G-s       EOH     .059 In/Sec     .139 G-s	COOLFAN1 - COO	LING FAN 1	(15-May-25)				
MOH   .065 In/Sec   1.113 G-s     MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIX   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIW   .068 In/Sec   .091 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s		OVERALL LEVEL	1K-20KHz				
MOV   .209 In/Sec   .228 G-s     MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .091 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MOH	.065 In/Sec	1.113 G-s				
MIH   .033 In/Sec   .890 G-s     MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .091 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MOV	.209 In/Sec	.228 G-s				
MIV   .033 In/Sec   .157 G-s     MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .091 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MIH	.033 In/Sec	.890 G-s				
MIA   .051 In/Sec   .133 G-s     COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .091 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MIV	.033 In/Sec	.157 G-s				
COOLFAN2   - COOLING FAN 2   (15-May-25)     OVERALL LEVEL   1K-20KHz     MOH   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MIA	.051 In/Sec	.133 G-s				
MOH     .049 In/Sec     .632 G-s       MOV     .062 In/Sec     .104 G-s       MIH     .048 In/Sec     .271 G-s       MIV     .064 In/Sec     .128 G-s       MIA     .068 In/Sec     .081 G-s       EIH     .049 In/Sec     .331 G-s       EIV     .068 In/Sec     .091 G-s       EIA     .095 In/Sec     .091 G-s       EOH     .059 In/Sec     .139 G-s	COOLFAN2 - COO	LING FAN 2	(15-May-25)				
MON   .049 In/Sec   .632 G-s     MOV   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	NOT	OVERALL LEVEL	IK-2UKHZ				
MIH   .062 In/Sec   .104 G-s     MIH   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .091 G-s     EIA   .059 In/Sec   .139 G-s	MOH	.049 IN/Sec	.032 G-S				
MIN   .048 In/Sec   .271 G-s     MIV   .064 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MUV	.062 IN/Sec	.104 G-S				
MIN   .004 In/Sec   .128 G-s     MIA   .068 In/Sec   .081 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MILH	.040 IN/Sec	.2/1 G-S				
EIH   .000 In/Sec   .001 G-s     EIH   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MIL V MIT 7	.004 IN/Sec	.120 G-S				
EIN   .049 In/Sec   .331 G-s     EIV   .068 In/Sec   .119 G-s     EIA   .095 In/Sec   .091 G-s     EOH   .059 In/Sec   .139 G-s	MIA	.008 IN/Sec	.UOL G-S				
EIA .095 In/Sec .119 G-S EIA .095 In/Sec .091 G-S EOH .059 In/Sec .139 G-S	E10 577	.049 IN/SEC	.331 G-S				
EOH .055 In/Sec .091 G-S	ET A	.000 IN/Sec	.119 G-S 001 C-S				
	EOH	.059 In/Sec	.139 G-s				

EOV	.059 In/Sec	.077 G-s
1012 0000	1012 00/22-002	
101A COMP	- 101A FEED COMPRESSOR (15-	-May-25)
MOH	OVERALL LEVEL	IK-20KHZ
мтн	165 In/Sec	.299 G-S
МТА	081 In/Sec	243 G-s
ттн	240 In/Sec	1 373 G-s
IIA	.215 In/Sec	1.248 G-s
IOH	.286 In/Sec	.762 G-s
OIH	.147 In/Sec	1.083 G-s
OIA	.338 In/Sec	.736 G-s
OOH	.109 In/Sec	2.563 G-s
HY1325 FAN	- HY132A CAS OTL COOLED FAN (15-	-Maw-25)
IIAIJZA FAN	OVERALL LEVEL	1K-20KHz
ЕТН	.040 In/Sec	.046 G-s
EOH	.053 In/Sec	.087 G-s
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451A PUMP	- 451A VACCUM PUMP (15-	-May-25)
	OVERALL LEVEL	1K-20KHz
MOH	.077 In/Sec	.456 G-s
MOV	.072 In/Sec	.295 G-s
MIH	.085 In/Sec	.915 G-s
MIV	.10/ In/Sec	.167 G-s
MIA	.055 In/Sec	.368 G-S
EIH	.139 IN/Sec	5.023 G-S
EIV EIV	.255 IN/Sec	.953 G-S
EIA	190 In/Sec	417 G-s
FOV	144 In/Sec	150 C-s
101	.144 111/ 560	.155 6 3
HX453A FAN	- HX453A VAC PUMP OIL COOL FAN (15-	-May-25)
	OVERALL LEVEL	1K-20KHz
MOH	.165 In/Sec	.085 G-s
MIH	.151 In/Sec	.069 G-s
451B PUMP	- 451B VACCUM PUMP (15-	-Mav-25)
	OVERALL LEVEL	1K-20KHz
MOH	.041 In/Sec	.485 G-s
MOV	.067 In/Sec	.131 G-s
MIH	.055 In/Sec	.698 G-s
MIV	.055 In/Sec	.234 G-s
MIA	.026 In/Sec	.124 G-s
EIH	.190 In/Sec	.450 G-s
EIV	.166 In/Sec	.100 G-s
EIA	.144 In/Sec	.104 G-S
EOH	.214 IN/Sec	.031 G-S
FOA	.200 11/360	.134 6-5
HX453B FAN	- HX453B VAC PUMP OIL COOL FAN (15-	-May-25)
	OVERALL LEVEL	1K-20KHz
MOH	.150 In/Sec	.245 G-s
MIH	.113 In/Sec	.126 G-s
451C PUMP	- 451C VACCUM PUMP (15-	-May-25)
	OVERALL LEVEL	1K-20KHz
MOH	.080 In/Sec	.419 G-s
MOV	.087 In/Sec	.087 G-s
MIH	.100 In/Sec	.423 G-s
MIV	.100 In/Sec	.123 G-s
MIA	.037 In/Sec	.099 G-s
EIH	.143 In/Sec	.629 G-s
EIV	.115 In/Sec	.147 G-s
EIA	.104 In/Sec	.144 G-S
EOH FOV	126 Tn/Sec	.552 G-S 064 C-e
	.120 111/ 560	
HX453C FAN	- HX453C VAC PUMP OIL COOL FAN (15-	-May-25)
	OVERALL LEVEL	1K-20KHz

MOH		.125 In/Sec	.356 G-s	
MIH		.097 In/Sec	.211 G-s	
451D PUMP	- 451D VACCUM	PUMP	(15-May-25)	
		OVERALL LEVE	L 1K-20KHz	
MOH		.055 In/Sec	1.234 G-s	
MOV		.068 In/Sec	.240 G-s	
MIH		.076 In/Sec	1.488 G-s	
MIV		.073 In/Sec	.486 G-s	
MIA		.037 In/Sec	.288 G-s	
EIH		.174 In/Sec	.654 G-s	
EIV		.120 In/Sec	.194 G-s	
EIA		.088 In/Sec	.144 G-s	
EOH		.168 In/Sec	.855 G-s	
EOV		.159 In/Sec	.300 G-s	
HX453D FAN	- HX453D VAC H	PUMP OIL COOL FAN	(15-May-25)	
		OVERALL LEVE	L 1K-20KHz	
MOH		.199 In/Sec	.125 G-s	
MIH		.164 In/Sec	.103 G-s	
506B COMP	- 506B PRODUCT	COMPRESSOR	(15-May-25)	
		OVERALL LEVE	L 1K-20KHz	
MOH		.050 In/Sec	.232 G-s	
MIH		.093 In/Sec	.175 G-s	
MIA		.058 In/Sec	.246 G-s	
IIH		.166 In/Sec	.980 G-s	
IIA		.130 In/Sec	1.074 G-s	
IOH		.197 In/Sec	2.631 G-s	
OIH		.246 In/Sec	1.295 G-s	
OIA		.127 In/Sec	1.364 G-s	
OOH		.211 In/Sec	1.377 G-s	
HX507B FAN	- HX507B GAS C	COOL FAN	(15-May-25)	
		OVERALL LEVE	L 1K-20KHz	
MOH		.091 In/Sec	.046 G-s	
MIH		.128 In/Sec	.070 G-s	
Clarification	Of Vibration U	Inits:		
Acc -	->G-s RM	IS		
Vel -	-> In/Sec PH	τ		

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. Maxuell

ISO Certified Vibration Analyst, Category III



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