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July 29, 2022

Hank Bass Coca-Cola West Memphis, AR

The following is a summary of findings from the July 2022 vibration survey at your facility. Please let us know if there are any questions or comments.

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.

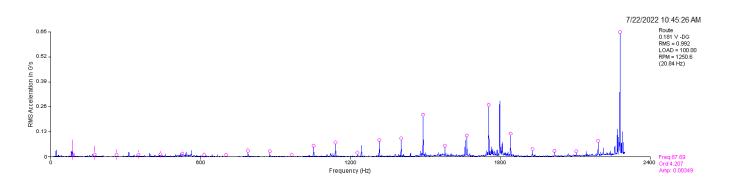
**<u>Class III</u>**; Defect (s) present that may cause failure in short term (less than 2 months). This should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.

**<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

## Filler 1 Motor CLASS I



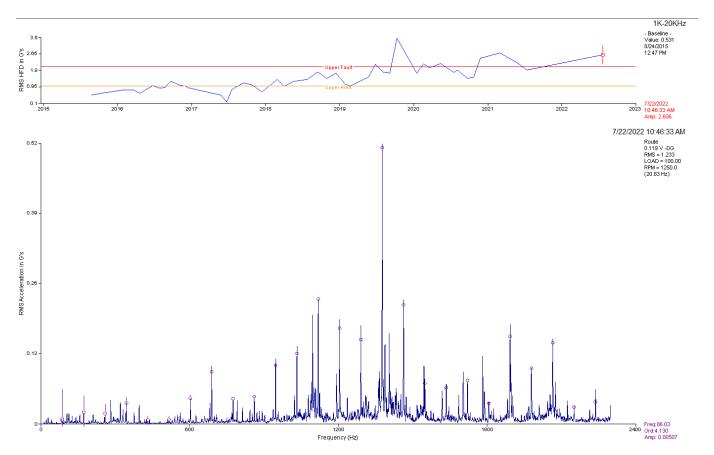
## **Observation:**

Motor outboard data shows non-synchronous peak associated with bearing race defects.

## **Recommendation:**

Motor appears to have some defects in the motor bearings. This appears to be a slow digression as we will monitor this closely.

## Filler 2 Motor CLASS II



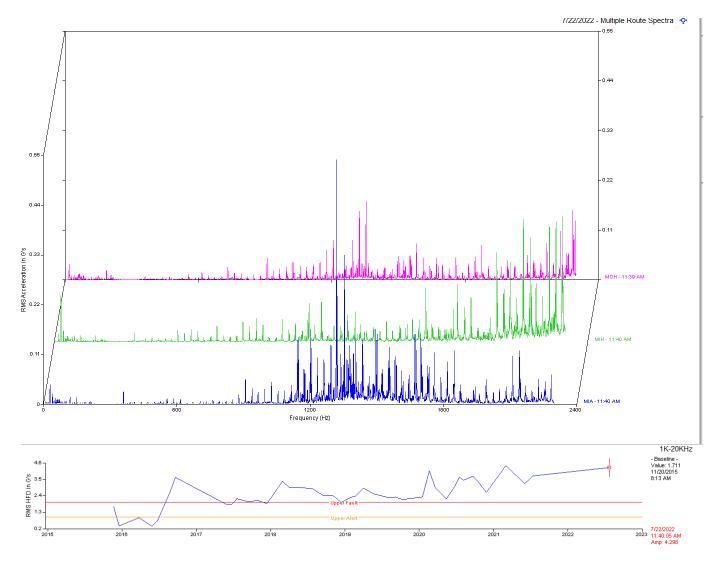
#### **Observation:**

Motor outboard data shows non-synchronous peak associated with bearing race defects.

## **Recommendation:**

Motor 2 is slightly higher in amplitude than motor 1. Both have similar defects. Motor may need attention soon. Ensure new motor has grounding protection such as insulated bearing and AEGIS grounding ring.

## C-1 Ammonia Compressor CLASS II



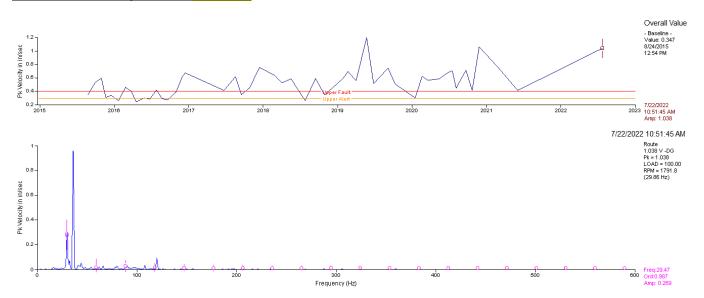
#### **Observation:**

Multipoint spectra of the motor shows quite a bit of non-synchronous peaks in the spectra. Inboard axial data shows the highest amount of vibration. 1K-20KHz. acceleration trend data shows some increase in amplitude.

#### **Recommendation:**

This motor has had this issue for a while now. We are monitoring this closely, however, the presence o such high acceleration is concerning. Motor may need to be replaced in the near future.

### C-3 Ammonia Compressor CLASS III



#### **Observation:**

Motor outboard horizontal spectrum shows a dominant vibration at 2 x compressor rpm. Amplitude of this peak is .96 ips-pk.

#### **Recommendation:**

Motor vibration is still suggesting possible belt and or sheave issue. Data shows a dominant peak of vibration at what appears to be 2 x compressor rpm. Inspect belts and sheaves for wear and misalignment and ensure all base and feet fasteners are tight. This is a **CLASS III** defect considering amplitude is over 1 ips-pk in the MOH.

#### 

Database: Coca-Cola.rbm Area: W.MEMPHIS PLANT

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
FILL 1 - FILLER 1 MOTOR	(22-Jul-22) OVERALL LEVEL	1K-20KHz
MOH - MOTOR OUTBOARD HORIZONTAL		
MIH - MOTOR INBOARD HORIZONTAL	.181 In/Sec	1.231 G-s
MIA - MOTOR INBOARD AXIAL	.109 In/Sec	.310 G-s
	,	
FILL 2 - FILLER 2 MOTOR	(22-Jul-22)	
	OVERALL LEVEL	1K-20KHz
MOH - MOTOR OUTBOARD HORIZONTAL	.101 In/Sec	1.410 G-s
MIH - MOTOR INBOARD HORIZONTAL	.119 In/Sec	2.606 G-s
MIA - MOTOR INBOARD AXIAL	.102 In/Sec	
C-1 - AMMONIA COMPRESSOR		
	OVERALL LEVEL	1K-20KHz
MOH - MOTOR OUTBOARD HORIZONTAL	.190 In/Sec	2.840 G-s
MIH - MOTOR INBOARD HORIZONTAL	•	
MIA - MOTOR INBOARD AXIAL	.177 In/Sec	1.548 G-s
PIA - PUMP INBOARD AXIAL	.174 In/Sec	.235 G-s
PIH - PUMP INBOARD HORIZONTAL	.172 In/Sec	
POH - PUMP OUTBOARD HORIZONTAL	.175 In/Sec	.234 G-s
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C-2 - AMMONIA COMPRESSOR		1
	OVERALL LEVEL	
MOH - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL	· · · · · · ·	.550 G-s
	.344 In/Sec .294 In/Sec	
MIA - MOTOR INBOARD AXIAL		
PIA - PUMP INBOARD AXIAL PIH - PUMP INBOARD HORIZONTAL	.186 In/Sec	1.198 G-S
		1.241 G-s .843 G-s
POH - PUMP OUTBOARD HORIZONTAL	.142 In/Sec	.843 G-S
C-3 - AMMONIA COMPRESSOR	C-3 (22-Jul-22) OVERALL LEVEL	1K-20KHz
MOH - MOTOR OUTBOARD HORIZONTAL		
MIH - MOTOR INBOARD HORIZONTAL	.743 In/Sec	
MIA - MOTOR INBOARD AXIAL	.210 In/Sec	.340 G-s
PIA - PUMP INBOARD AXIAL	.154 In/Sec	
PIH - PUMP INBOARD HORIZONTAL	.158 In/Sec	
POH - PUMP OUTBOARD HORIZONTAL	.183 In/Sec	.399 G-s
C-4 - AMMONIA COMPRESSOR		
	OVERALL LEVEL	1K-20KHz
MOH - MOTOR OUTBOARD HORIZONTAL	.154 In/Sec	.116 G-s
MIH - MOTOR INBOARD HORIZONTAL	.155 In/Sec	.100 G-s
MIA - MOTOR INBOARD AXIAL	.141 In/Sec .046 In/Sec	.044 G-s
PIA - PUMP INBOARD AXIAL	.046 In/Sec	.112 G-s
PIH - PUMP INBOARD HORIZONTAL	.224 In/Sec	.228 G-s
POH - PUMP OUTBOARD HORIZONTAL		
C-5 - AMMONIA COMPRESSOR		14 00411-
MOU - MOTOD OUTDOADD UODICOUTS	OVERALL LEVEL	IN-ZUKHZ
MOH - MOTOR OUTBOARD HORIZONTAL	.566 In/Sec .559 In/Sec	.222 G-S
MIH - MOTOR INBOARD HORIZONTAL		
MIA - MOTOR INBOARD AXIAL	.237 In/Sec	
FIA - FUMP INDUARD RATAL	.112 In/Sec .110 In/Sec	.229 G-S
POH - DIMD OUTBOARD HORIZONTAL	.110 In/Sec .154 In/Sec	.403 G-8 101 C-2
MIA - MOTOR INBOARD AXIAL PIA - PUMP INBOARD AXIAL PIH - PUMP INBOARD HORIZONTAL POH - PUMP OUTBOARD HORIZONTAL	.154 III/SeC	.191 G-8
C-6 - AMMONIA COMPRESSOR		
	OVERALL LEVEL	
MOH - MOTOR OUTBOARD HORIZONTAL		.842 G-s
MIH - MOTOR INBOARD HORIZONTAL	.346 In/Sec	1.158 G-s

MIA - MOTOR INBOARD AXIAL	.200 In/Sec	.331 G-s
PIA - PUMP INBOARD AXIAL	.142 In/Sec	.401 G-s
PIH - PUMP INBOARD HORIZONTAL	.139 In/Sec	.509 G-s
MIA - MOTOR INBOARD AXIAL PIA - PUMP INBOARD AXIAL PIH - PUMP INBOARD HORIZONTAL POH - PUMP OUTBOARD HORIZONTAL	.119 In/Sec	.673 G-s
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C-7 - AMMONIA COMPRESSOR C-7	(22-Ju1-22)	
		18-2088
		272 0 -
MOH - MOTOR OUTBOARD HORIZONTAL	.414 In/Sec .357 In/Sec	.2/3 G-S
MIH - MOTOR INBOARD HORIZONTAL	.357 In/Sec	.427 G-s
MIA - MOTOR INBOARD AXIAL	.240 In/Sec	.653 G-s
PIA - PUMP INBOARD AXIAL	.169 In/Sec	.218 G-s
PIH - PUMP INBOARD HORIZONTAL	.169 In/Sec .379 In/Sec	.733 G-s
MOH - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIA - MOTOR INBOARD AXIAL PIA - PUMP INBOARD AXIAL PIH - PUMP INBOARD HORIZONTAL POH - PUMP OUTBOARD HORIZONTAL	.330 In/Sec	.655 G-s
CWP2 - CITY WATER PUMP 2	(22-Jul-22)	
		1K-20KHz
MOH - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL		022 0 -
MOH - MOTOR OUTBOARD HORIZONTAL	.068 In/Sec .115 In/Sec	.833 G-S
MIH - MOTOR INBOARD HORIZONTAL	.115 In/Sec	.191 G-s
MIA - MOTOR INBOARD AXIAL	.084 In/Sec	.141 G-s
PWP1 - PROCESS WATER PUMP 1	(22-Jul-22)	
	OVERALL LEVEL	1K-20KHz
MOH - MOTOR OUTBOARD HORIZONTAL	.250 In/Sec	.847 G-s
MIH - MOTOR INBOARD HORIZONTAL	170 In/Sec	898 G-s
MIA - MOTOR INBOARD AXIAL	.170 In/Sec .051 In/Sec	308 C-s
MIA - MOTOR INBOARD AXIAL	.051 11/566	.390 G-S
	(22 7-1 22)	
PWP2 - PROCESS WATER PUMP 2	(22-Jul-22)	
	OVERALL LEVEL	
MOH - MOTOR OUTBOARD HORIZONTAL	.156 In/Sec	
MIH - MOTOR INBOARD HORIZONTAL	.084 In/Sec	.358 G-s
MIA - MOTOR INBOARD AXIAL	.072 In/Sec	.275 G-s
PWP3 - PROCESS WATER PUMP 3	(22-Jul-22)	
	OVERALL LEVEL .076 In/Sec	1K-20KHz
		.088 G-s
	076 75/802	
MOH - MOTOR OUTBOARD HORIZONTAL	.076 In/Sec	.000 G-S
MOH - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL	.073 In/Sec	.114 G-s
MOH - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIA - MOTOR INBOARD AXIAL	.076 In/Sec .073 In/Sec .071 In/Sec	.114 G-s
MOH - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIA - MOTOR INBOARD AXIAL	.073 In/Sec .071 In/Sec	.114 G-s
34-P-201-2 - RO #2 PUMP	.073 In/Sec .071 In/Sec (22-Jul-22)	.114 G-s .122 G-s
34-P-201-2 - RO #2 PUMP	.073 In/Sec .071 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz
34-P-201-2 - RO #2 PUMP	.073 In/Sec .071 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz
34-P-201-2 - RO #2 PUMP	.073 In/Sec .071 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INFOARD HORIZONTAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INFOARD HORIZONTAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INFOARD HORIZONTAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s
34-P-201-2 - RO #2 PUMP	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INFOARD HORIZONTAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INFOARD HORIZONTAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre> 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .036 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s
<ul> <li>34-P-201-2 - RO #2 PUMP</li> <li>MOH - MOTOR OUTBOARD HORIZONTAL</li> <li>MOV - MOTOR OUTBOARD VERTICAL</li> <li>MIH - MOTOR INBOARD HORIZONTAL</li> <li>MIV - MOTOR INBOARD VERTICAL</li> <li>MIA - MOTOR INBOARD AXIAL</li> <li>26-P-101-1 - UF FILTRATE PUMP #1</li> <li>MOH - MOTOR OUTBOARD HORIZONTAL</li> <li>MOV - MOTOR OUTBOARD VERTICAL</li> <li>MIH - MOTOR INBOARD HORIZONTAL</li> <li>MIV - MOTOR INBOARD VERTICAL</li> <li>MIV - MOTOR INBOARD VERTICAL</li> <li>MIN - MOTOR INBOARD VERTICAL</li> <li>MIN - MOTOR INBOARD VERTICAL</li> <li>MIA - MOTOR INBOARD AXIAL</li> </ul>	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre> 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre> 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre> 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre> 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre> 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MOY - MOTOR OUTBOARD HORIZONTAL	.073 In/Sec .071 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22) OVERALL LEVEL .093 In/Sec .208 In/Sec .093 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .599 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIY - MOTOR INBOARD VERTICAL</pre>	.073 In/Sec .071 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22) OVERALL LEVEL .093 In/Sec .208 In/Sec .093 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .599 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MOY - MOTOR OUTBOARD HORIZONTAL	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22)	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .599 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIA - MOTOR INBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre>	.073 In/Sec .071 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec .033 In/Sec .208 In/Sec .093 In/Sec .184 In/Sec .135 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .599 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIM - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL SC-2 - SCREW COMPRESSOR 2</pre>	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22) OVERALL LEVEL .093 In/Sec .208 In/Sec .184 In/Sec .135 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .199 G-s .199 G-s .285 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIM - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL SC-2 - SCREW COMPRESSOR 2</pre>	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22) OVERALL LEVEL .093 In/Sec .208 In/Sec .184 In/Sec .135 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .199 G-s .199 G-s .285 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIM - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL SC-2 - SCREW COMPRESSOR 2</pre>	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22) OVERALL LEVEL .093 In/Sec .208 In/Sec .184 In/Sec .135 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .199 G-s .199 G-s .285 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIM - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL SC-2 - SCREW COMPRESSOR 2</pre>	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22) OVERALL LEVEL .093 In/Sec .208 In/Sec .184 In/Sec .135 In/Sec	.114 G-s .122 G-s 1K-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s 1K-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s 1K-20KHz .894 G-s .128 G-s .199 G-s .199 G-s .285 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIM - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL SC-2 - SCREW COMPRESSOR 2</pre>	.073 In/Sec .071 In/Sec .071 In/Sec .071 In/Sec .072 In/Sec .069 In/Sec .072 In/Sec .072 In/Sec .072 In/Sec .057 In/Sec .057 In/Sec .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec .033 In/Sec .093 In/Sec .093 In/Sec .135 In/Sec .135 In/Sec .135 In/Sec .097 In/Sec .338 In/Sec .092 In/Sec	.114 G-s .122 G-s IK-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s IK-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s IK-20KHz .894 G-s .128 G-s .199 G-s .119 G-s .285 G-s IK-20KHz .284 G-s .701 G-s .320 G-s
<pre>34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD HORIZONTAL MIV - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIA - MOTOR INBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD HORIZONTAL MIH - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL</pre>	.073 In/Sec .071 In/Sec (22-Jul-22) OVERALL LEVEL .116 In/Sec .069 In/Sec .072 In/Sec .042 In/Sec .042 In/Sec .057 In/Sec (22-Jul-22) OVERALL LEVEL .051 In/Sec .032 In/Sec .033 In/Sec (22-Jul-22) OVERALL LEVEL .093 In/Sec .208 In/Sec .184 In/Sec .135 In/Sec	.114 G-s .122 G-s IK-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s IK-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s IK-20KHz .894 G-s .128 G-s .199 G-s .119 G-s .285 G-s IL9 G-s .285 G-s
34-P-201-2 - RO #2 PUMP MOH - MOTOR OUTBOARD HORIZONTAL MOV - MOTOR OUTBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 26-P-101-1 - UF FILTRATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOY - MOTOR OUTBOARD HORIZONTAL MIY - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL 38-P-101-1 - RO PERMEATE PUMP #1 MOH - MOTOR OUTBOARD HORIZONTAL MOY - MOTOR OUTBOARD HORIZONTAL MIA - MOTOR INBOARD VERTICAL MIH - MOTOR INBOARD VERTICAL MIA - MOTOR INBOARD AXIAL SC-2 - SCREW COMPRESSOR 2 MOH - MOTOR OUTBOARD HORIZONTAL MOY - MOTOR OUTBOARD HORIZONTAL	.073 In/Sec .071 In/Sec .071 In/Sec .071 In/Sec .072 In/Sec .069 In/Sec .072 In/Sec .072 In/Sec .072 In/Sec .057 In/Sec .057 In/Sec .051 In/Sec .032 In/Sec .032 In/Sec .033 In/Sec .033 In/Sec .093 In/Sec .093 In/Sec .135 In/Sec .135 In/Sec .135 In/Sec .097 In/Sec .338 In/Sec .092 In/Sec	.114 G-s .122 G-s IK-20KHz .577 G-s .124 G-s .366 G-s .198 G-s .249 G-s IK-20KHz .656 G-s .190 G-s .479 G-s .228 G-s .163 G-s IK-20KHz .894 G-s .128 G-s .128 G-s .119 G-s .285 G-s IK-20KHz .284 G-s .285 G-s

1IA - COMP	RESSOR	INPUT I	NBOARD AXIAL	.125	In/Sec	1.080	G-s
1IH - COMP	RESSOR	INPUT I	B HORIZONTAL	.066	In/Sec	.557	G-s
1IV - COMP	RESSOR	INPUT I	B VERTICAL	.188	In/Sec	.481	G-s
10H - COMP	RESSOR	INPUT O	B HORIZONTAL	.100	In/Sec	1.233	G-s
10V - COMP	RESSOR	INPUT O	B VERTICAL	.169	In/Sec	.853	G-s
2IA - COMP	RESSOR	OUTPUT	INBOARD AXIAL	.143	In/Sec	. 972	G-s
Clarificat	ion Of	Vibratio	on Units:				
Acc	>	G-s	RMS				
		In/Sec	PK				

As always, it has been a pleasure to serve Coca-Cola West Memphis. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

Kevin W. Maxwell

ISO Certified Vibration Analyst, Category III



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