

June 14, 2021

Tetra Technologies

Subject: June vibration service report

Most of the machines surveyed were found to be in good condition with the exception of the following: Supporting data included.

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.

This completes our assessment of your equipment for this survey. Thank you for your business and don't hesitate to call if you have any comments or questions.

Sincerely,

David W Shook

David W. Shook Senior Reliability Specialists

Hi-Speed Industrial Service

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Reportable equipment

Pump 305

Data shows low amplitude shaft speed harmonics and an elevated noise floor. We suspect recirculation and or cavitation. Check pump for proper operation. Motor data also shows non-synchronous harmonics which could indicate early distress in the bearings as well as rotor bar passing frequencies which are not an issue at this time. **Rated a Class I Defect.**

Pump 307

Data shows a dominant shaft speed vibration in the pump input bearing. Check the fasteners, coupling and alignment as time allows. **Rated a Class I Defect.**

Pump 416

Data shows a dominant 5x RPM vibration. (Most likely 5 vanes on pump impeller). Check pump for proper operational parameters. **Rated a Class I Defect.**

Pump 421

Motor data shows non-synchronous harmonic vibrations that could be early bearing defects, and also what looks to be possible drive issues. There is one small peak at 2x line frequency and another one at just over 1 KHz. Both could be drive related. Check the drive for proper operation as time allows. Rated a Class II Defect due to possible electrical issue.

Pump 501

Motor data shows non-synchronous harmonic vibrations that could be bearing defects. We will watch this unit for changes. Ensure the bearing are lubricated if applicable. **Rated a Class II Defect.**

Pump 706

Data shows a dominant 5x RPM vibration. (Most likely 5 vanes on pump impeller). There is also two harmonics. Check pump for proper operational parameters. Pump could have some impeller wear or looseness. **Rated a Class I Defect.**

Abbreviated Last Measurement Summary **********

Database: TETRA TECHNOLOGIES.rbm
Area: TETRA NEW

Report Date: 14-Jun-21 13:39

MEASUREMENT POIN	T OVERALL LEVEL	HFD / VHFD	EQUIPMENT SPEED
300 - PUM	P 300 OVERALL LEVEI	(09-Jun-21) L 1 - 20 KHz	
MOH	.019 In/Sec	.284 G-s	1785.0 RPM
MOV	.080 In/Sec		
MIH	.018 In/Sec	.264 G-s	
MIV	.037 In/Sec		
MIA	.032 In/Sec	.095 G-s	
EIA	.035 In/Sec	.084 G-s	
EIH	.037 In/Sec	.251 G-s	
EIV	.056 In/Sec	.097 G-s	
ЕОН	.022 In/Sec	.264 G-s	
EOV	.027 In/Sec		
301 - PUM	P 301	(09-Jun-21)	
	OVERALL LEVE		
MOH	.015 In/Sec	.250 G-s	1785.0 RPM
MOV	.029 In/Sec	.197 G-s	
MIH	.020 In/Sec		
MIV	.024 In/Sec	.059 G-s	
MIA	.012 In/Sec		
EIA	.034 In/Sec	.154 G-s	
EIH	.046 In/Sec		
EIV	.038 In/Sec		
EOH	.024 In/Sec	.151 G-s	
EOV	.047 In/Sec	.066 G-s	
305 - PUM		(09-Jun-21)	
	OVERALL LEVE	L 1 - 20 KHz	
MOH	.068 In/Sec	1.201 G-s	1785.0 RPM
MOV	.062 In/Sec	.772 G-s	
MIH	.055 In/Sec		
MIV	.079 In/Sec		
MIA	.042 In/Sec		
EIA	.156 In/Sec	.423 G-s	
EIH	.200 In/Sec	.296 G-s	
EIV	.100 In/Sec		
EOH	.099 In/Sec	.218 G-s	
EOV	.078 In/Sec	.148 G-s	
307 - PUM		(09-Jun-21)	
<u>-</u>	OVERALL LEVE		4808 6
MOH	.014 In/Sec		1785.0 RPM
MOV	.027 In/Sec		
MIH	.017 In/Sec	.223 G-s	

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.069 G-s
      MIV
                      .029 In/Sec
                                        .095 G-s
      MIA
                      .014 In/Sec
                      .117 In/Sec
                                        .315 G-s
      EIA
      EIH
                      .095 In/Sec
                                        .268 G-s
      EIV
                       .213 In/Sec
                                        .203 G-s
                       .056 In/Sec
      EOH
                                        .318 G-s
      EOV
                       .134 In/Sec
                                        .209 G-s
       - PUMP 308
308
                                         (09-Jun-21)
                                      1 - 20 KHz
                      OVERALL LEVEL
                                       .376 G-s
                                                        1785.0 RPM
      MOH
                      .052 In/Sec
                                        .101 G-s
      MOV
                      .077 In/Sec
                      .041 In/Sec
      MIH
                                        .250 G-s
                      .047 In/Sec
                                        .150 G-s
      MIV
      MIA
                      .030 In/Sec
                                        .087 G-s
                                        .142 G-s
                      .057 In/Sec
      EIA
                                        .260 G-s
      EIH
                      .047 In/Sec
                      .052 In/Sec
                                        .137 G-s
      EIV
      EOH
                      .051 In/Sec
                                        .702 G-s
      EOV
                       .040 In/Sec
                                        .223 G-s
309
      - PUMP 309
                                         (09-Jun-21)
                                      1 - 20 KHz
                      OVERALL LEVEL
      MOH
                      .031 In/Sec
                                       .288 G-s
                                                        1785.0 RPM
      MOV
                      .081 In/Sec
                                        .690 G-s
      MIH
                      .030 In/Sec
                                        .938 G-s
      MIV
                      .044 In/Sec
                                        .211 G-s
                      .026 In/Sec
                                        .224 G-s
      MIA
                      .038 In/Sec
                                        .134 G-s
      EIA
                      .070 In/Sec
                                        .259 G-s
      EIH
                                        .087 G-s
                      .061 In/Sec
      EIV
                                        .186 G-s
      EOH
                      .038 In/Sec
      EOV
                       .056 In/Sec
                                        .104 G-s
312
       - PUMP 312
                                         (09-Jun-21)
                                      1 - 20 KHz
                      OVERALL LEVEL
                                       .634 G-s
      MOH
                      .056 In/Sec
                                                        1785.0 RPM
                                        .471 G-s
      MOV
                       .072 In/Sec
                      .067 In/Sec
                                        .807 G-s
      MIH
      MIV
                      .091 In/Sec
                                        .710 G-s
      MIA
                      .038 In/Sec
                                        .372 G-s
      EIA
                      .038 In/Sec
                                        .020 G-s
                      .052 In/Sec
                                        .102 G-s
      EIH
      EIV
                      .039 In/Sec
                                        .028 G-s
                                        .108 G-s
      EOH
                      .044 In/Sec
      EOV
                      .053 In/Sec
                                        .059 G-s
314
          - PUMP 314
                                         (09-Jun-21)
                                      1 - 20 KHz
                      OVERALL LEVEL
      MOH
                      .021 In/Sec
                                                        1785.0 RPM
                                       .154 G-s
                      .015 In/Sec
      MOV
                                        .041 G-s
                      .019 In/Sec
                                        .183 G-s
      MIH
                     .0095 In/Sec
                                        .040 G-s
      MIV
      MIA
                     .0095 In/Sec
                                        .043 G-s
                      .014 In/Sec
      EIA
                                        .019 G-s
      EIH
                      .016 In/Sec
                                       .080 G-s
      EIV
                      .012 In/Sec
                                        .034 G-s
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	EOH EOV			.017 In/Sec .011 In/Sec	.054 G-s .023 G-s	
315		- PUMP	315		(09-Jun-21)	
	MOII			OVERALL LEVEL	1 - 20 KHz	170F 0 DDW
	MOH			.025 In/Sec .050 In/Sec	.126 G-s .122 G-s	1785.0 RPM
	MOV MIH			.030 In/Sec	.092 G-s	
	MIV			.051 In/Sec	.057 G-s	
	MIA			.044 In/Sec	.075 G-s	
	EIA			.046 In/Sec	.187 G-s	
	EIH			.043 In/Sec	.262 G-s	
	EIV			.036 In/Sec	.132 G-s	
	EOH			.035 In/Sec	.331 G-s	
	EOV			.036 In/Sec	.231 G-s	
402		- PUMP	402		(09-Jun-21)	
				OVERALL LEVEL	1 - 20 KHz	
	MOH			.040 In/Sec	.599 G-s	1785.0 RPM
	MOV			.040 In/Sec	.266 G-s	
	MIH			.041 In/Sec	.479 G-s	
	VIM			.039 In/Sec	.148 G-s	
	MIA			.020 In/Sec	.381 G-s	
	EIA			.051 In/Sec	.115 G-s	
	EIH			.061 In/Sec	.162 G-s	
	EIV			.056 In/Sec	.087 G-s	
	EOH			.042 In/Sec .030 In/Sec		
	EOV			.030 In/Sec	.092 G-s	
415		- PUMP	415		(09-Jun-21)	
415		- PUMP	415	OVERALL LEVEL	1 - 20 KHz	
415	мон	- PUMP	415	.063 In/Sec	1 - 20 KHz .325 G-s	1785.0 RPM
415	MOH MOV	- PUMP	415	.063 In/Sec .092 In/Sec	1 - 20 KHz .325 G-s .088 G-s	1785.0 RPM
415	MOH MOV MIH	- PUMP	415	.063 In/Sec .092 In/Sec .077 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s	1785.0 RPM
415	MOH MOV MIH MIV	- PUMP	415	.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s	1785.0 RPM
415	MOH MOV MIH MIV MIA	- PUMP	415	.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s	1785.0 RPM
415	MOH MOV MIH MIV MIA EIA	- PUMP	415	.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s	1785.0 RPM
415	MOH MOV MIH MIV MIA EIA EIH	- PUMP	415	.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s	1785.0 RPM
415	MOH MOV MIH MIV MIA EIA	- PUMP	415	.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s	1785.0 RPM
415	MOH MOV MIH MIV MIA EIA EIH	- РИМР	415	.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s	1785.0 RPM
415	MOH MOV MIH MIV MIA EIA EIH EIV EOH	- PUMP		.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s	1785.0 RPM
	MOH MOV MIH MIV MIA EIA EIH EIV EOH			.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s	1785.0 RPM
	MOH MOV MIH MIV MIA EIA EIH EIV EOH			.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s	1785.0 RPM
	MOH MOV MIH MIV MIA EIA EIH EOH			.063 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .049 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz	
	MOH MOV MIH MIV MIA EIA EIH EOH EOV			.063 In/Sec .092 In/Sec .077 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .045 In/Sec .065 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s	
	MOH MOV MIH MIV MIA EIA EIH EOV MOH MOV MIH MIV			.063 In/Sec .092 In/Sec .077 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .045 In/Sec .048 In/Sec .048 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s	
	MOH MOV MIH MIV MIA EIA EIH EOV MOH MOV MIH MIV MIA			.063 In/Sec .092 In/Sec .077 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .045 In/Sec .048 In/Sec .048 In/Sec .048 In/Sec .074 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s .436 G-s	
	MOH MOV MIH MIV MIA EIA EIV EOH EOV MOH MOV MIH MIV MIA EIA			.063 In/Sec .092 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .042 In/Sec .042 In/Sec .042 In/Sec .048 In/Sec .048 In/Sec .048 In/Sec .048 In/Sec .074 In/Sec .090 In/Sec .076 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s .436 G-s .118 G-s	
	MOH MOV MIH MIV MIA EIA EOH EOV MOH MOV MIH MIV MIA EIA EIH			.063 In/Sec .092 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .042 In/Sec .045 In/Sec .046 In/Sec .047 In/Sec .074 In/Sec .076 In/Sec .076 In/Sec .178 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s .436 G-s .118 G-s .251 G-s	
	MOH MOV MIH MIV MIA EIA EOH EOV MOH MOV MIH MIV MIA EIA EIH EIV			.063 In/Sec .092 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .042 In/Sec .048 In/Sec .048 In/Sec .048 In/Sec .074 In/Sec .074 In/Sec .076 In/Sec .178 In/Sec .056 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s .436 G-s .118 G-s .251 G-s .161 G-s	
	MOH MOV MIH MIV MIA EIA EOH EOV MOH MOV MIH MIV MIA EIA EIH EIV EOH			.063 In/Sec .092 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .042 In/Sec .048 In/Sec .048 In/Sec .048 In/Sec .074 In/Sec .074 In/Sec .076 In/Sec .178 In/Sec .056 In/Sec .056 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s .436 G-s .118 G-s .251 G-s .161 G-s .362 G-s	
	MOH MOV MIH MIV MIA EIA EOH EOV MOH MOV MIH MIV MIA EIA EIH EIV			.063 In/Sec .092 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .042 In/Sec .048 In/Sec .048 In/Sec .048 In/Sec .074 In/Sec .074 In/Sec .076 In/Sec .178 In/Sec .056 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s .436 G-s .118 G-s .251 G-s .161 G-s	
	MOH MOV MIH MIV MIA EIA EOH EOV MOH MOV MIH MIV MIA EIA EIH EIV EOH EOV		416	.063 In/Sec .092 In/Sec .092 In/Sec .077 In/Sec .119 In/Sec .068 In/Sec .036 In/Sec .036 In/Sec .036 In/Sec .028 In/Sec .042 In/Sec .042 In/Sec .042 In/Sec .048 In/Sec .048 In/Sec .048 In/Sec .074 In/Sec .074 In/Sec .076 In/Sec .178 In/Sec .056 In/Sec .056 In/Sec	1 - 20 KHz .325 G-s .088 G-s .434 G-s .159 G-s .206 G-s .138 G-s .171 G-s .310 G-s .254 G-s .490 G-s (09-Jun-21) 1 - 20 KHz .829 G-s .152 G-s .580 G-s .123 G-s .436 G-s .118 G-s .251 G-s .161 G-s .362 G-s	

мон		.043 In/Sec	1.245 G-s	1785.0 RPM
MOV		.068 In/Sec	.378 G-s	
MIH		.040 In/Sec	.613 G-s	
MIV		.089 In/Sec	.526 G-s	
MIA		.043 In/Sec	.496 G-s	
EIA		.075 In/Sec	.117 G-s	
EIH		.061 In/Sec	.486 G-s	
EIV		.078 In/Sec	.116 G-s	
EOH		.042 In/Sec	.283 G-s	
EOV		.060 In/Sec	.238 G-s	
424	- PUMP 424		(09-Jun-21)	
		OVERALL LEVEL	1 - 20 KHz	
MOH		.032 In/Sec	.453 G-s	1785.0 RPM
MOV		.033 In/Sec	.274 G-s	
MIH		.028 In/Sec	.449 G-s	
MIV		.034 In/Sec	.294 G-s	
MIA		.013 In/Sec	.377 G-s	
EIA		.063 In/Sec	.152 G-s	
EIH		.056 In/Sec	.480 G-s	
EIV		.049 In/Sec	.236 G-s	
EOH		.035 In/Sec	.314 G-s	
EOV		.031 In/Sec	.227 G-s	
501	- PUMP 501		(09-Jun-21)	
		OVERALL LEVEL	1 - 20 KHz	
МОН		.033 In/Sec	2.020 G-s	1785.0 RPM
VOM		.039 In/Sec	.526 G-s	
MIH		.041 In/Sec	1.443 G-s	
MIV		.044 In/Sec	.361 G-s	
MIA		.041 In/Sec	1.158 G-s	
EIA		.071 In/Sec	.060 G-s	
EIH		.076 In/Sec	.118 G-s	
EIV		.030 In/Sec	.119 G-s	
ЕОН		.042 In/Sec	.089 G-s	
EOV		.045 In/Sec	.056 G-s	
702	- PUMP 702		(09-Jun-21)	
		OVERALL LEVEL	1 - 20 KHz	
MOH		.018 In/Sec	.136 G-s	1785.0 RPM
MOV		.022 In/Sec	.037 G-s	
MIH		.011 In/Sec	.079 G-s	
MIV		.011 In/Sec	.025 G-s	
MIA		.010 In/Sec	.030 G-s	
EIA		.0073 In/Sec	.026 G-s	
EIH		.0070 In/Sec	.050 G-s	
EIV		.0087 In/Sec	.035 G-s	
EOH		.0075 In/Sec	.073 G-s	
EOV		.0093 In/Sec	.010 G-s	
704	- PUMP 704		(09-Jun-21)	
		OVERALL LEVEL	1 - 20 KHz	
MOH		.042 In/Sec	.212 G-s	1785.0 RPM
MOV		.039 In/Sec	.169 G-s	
MIH		.027 In/Sec	.276 G-s	
MIV		.022 In/Sec	.063 G-s	
MIA		.014 In/Sec	.036 G-s	

	EIA EIH EOH	.076 In/Sec .100 In/Sec .061 In/Sec .035 In/Sec	.357 G-s .265 G-s	
	EOV	.077 In/Sec	.209 G-s	
706	- PUMP 706	OVERALL LEVEL	(09-Jun-21) 1 - 20 KHz	
	MOH	.042 In/Sec		1785.0 RPM
	MOV	.038 In/Sec	.239 G-s	
	MIH	.028 In/Sec	.394 G-s	
	MIV	.043 In/Sec	.108 G-s	
	MIA	.025 In/Sec	.133 G-s	
	EIA	.078 In/Sec	.111 G-s	
	EIH	.160 In/Sec	.239 G-s	
	EIV	.100 In/Sec	.124 G-s	
	EOH	.096 In/Sec	.266 G-s	
	EOV	.115 In/Sec	.111 G-s	

Clarification Of Vibration Units:

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

Last Monitored Equipment List ******************

Database: TETRA TECHNOLOGIES.rbm

Area: TETRA NEW

Report Date: 14-Jun-21 14:44

Report Interval: 15-May-21 To 14-Jun-21

PERIODIC VIBRATION TECHNOLOGY

Collected Equipment...

EQUIPMENT	ID		DESCRIPTION	NUMBI	ER OF	PC	DINTS	LATEST	DATE
300	PUMP	300		10	OUT	OF	10	09-Ju	ın-21
301	PUMP	301		10	OUT	OF	10	09-Ju	ın-21
305	PUMP	305		10	OUT	OF	10	09-Ju	ın-21
307	PUMP	307		10	OUT	OF	10	09-Ju	ın-21
308	PUMP	308		10	OUT	OF	10	09-Ju	ın-21
309	PUMP	309		10	OUT	OF	10	09-Ju	ın-21
312	PUMP	312		10	OUT	OF	10	09-Ju	ın-21
314	PUMP	314		10	OUT	OF	10	09-Ju	ın-21
315	PUMP	315		10	OUT	OF	10	09-Ju	ın-21
402	PUMP	402		10	OUT	OF	10	09-Ju	ın-21
415	PUMP	415		10	OUT	OF	10	09-Ju	ın-21
416	PUMP	416		10	OUT	OF	10	09-Ju	ın-21
421	PUMP	421		10	OUT	OF	10	09-Ju	ın-21
424	PUMP	424		10	OUT	OF	10	09-Ju	ın-21
501	PUMP	501		10	OUT	OF	10	09-Ju	ın-21
702	PUMP	702		10	OUT	OF	10	09-Ju	ın-21
704	PUMP	704		10	OUT	OF	10	09-Ju	ın-21
706	PUMP	706		10	OUT	OF	10	09-Ju	ın-21

Database: TETRA TECHNOLOGIES.rbm
Area: TETRA NEW

Report Date: 14-Jun-21 14:44

EQUIPMENT ID	DESCRIPTION	MEAS. PT.	LAST SURVEY
306	PUMP 306	All	NEVER
602	AMMONIA PUMP 602	All	NEVER
700	PUMP 700	All	NEVER
701	PUMP 701	All	NEVER
703	PUMP 703	All	NEVER
X1	EXTRA PUMP 1	All	NEVER
X2	EXTRA PUMP 2	All	NEVER
х3	EXTRA PUMP 3	All	NEVER
X4	EXTRA PUMP 4	All	NEVER