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May 15, 2025

Craig Lindsey Tetra Technologies West Memphis, AR

Craig,

The following is a summary of findings from the vibration survey that was performed on May 14, 2025.

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.

Summary

<u>P301</u>

Pump was not in service during this survey.

<u>P305</u>

Motor data indicates defects are present in motor bearings. Inspect motor as time allows. Rated as a CLASS II defect.

<u>P306</u>

Pump was not in service during this survey.

<u>P307</u>

This unit appears to be in good condition. No actions are recommended.

<u>P308</u>

Pump data shows a high vane pass vibration. This is indication of a possible issue with the impeller. Inpsect pump internals as time allows. Rated as a **CLASS II** defect.

<u>P309</u>

Pump has a high 1 x rpm vertical and axial vibration. Inpsect pump base and fasteners as time allows. Rated as a **CLASS II** defect.

<u>P312</u>

Motor data indicates defects are present in motor bearings. Motor will likely need to be replaced in the next few months. Rated as a **CLASS II** defect.

<u>P314</u>

This unit appears to be in good condition. No action is recommended.

<u>P315</u>

Motor data indicates defects are present in motor bearings. Motor will likely need to be replaced in the next few months. Rated as a **CLASS II** defect.

P402

This unit appears to be in good condition. No action is recommended.

<u>P415</u>

Motor data indicates defects are present in motor bearings. Motor will likely need to be replaced in the next few months. Rated as a **CLASS II** defect.

<u>P416</u>

This unit appears to be in good condition. No action is recommended.

<u>P421</u>

This unit appears to be in good condition. No action is recommended.

<u>P424</u>

This unit appears to be in good condition. No action is recommended.

<u>P501</u>

Pump was not in service during this survey.

<u>P602</u>

Pump was not in service during this survey.

<u>P700</u>

Pump was not in service during this survey.

<u>P701</u>

Pump was not in service during this survey.

<u>P702</u>

Pump was not in service during this survey.

<u>P703</u>

Pump was not in service during this survey.

<u>P704</u>

<u>P706</u>

Pump was not in service during this survey.

<u>P604</u>

Motor and pump have elevated 1 x rpm vibration. Check base bolts and motor/pump fasteners. Check coupling and alignment as well. Rated as a **CLASS II** defect.

<u>P406</u>

Pump was not in service during this survey.

<u>P311</u>

Pump was not in service during this survey.

CTP-701

Data shows light defects present in motor bearings. Rated as a CLASS I defect.

CTP-300

This unit appears to be in good condition. No action is recommended.

E-201 Blower

Data suggests a sheave/belt issue. Ensure sheaves are aligned properly with minimal face run out. Rated as a **CLASS II** defect. **Guard needs to modified in order to access blower bearings.**

E-302 Blower

Motor data shows impacting. Motor bearing data also show sign of defects. Inspect motor soon. Rated as a **CLASS II** defect. **Guard needs to modified in order to access blower bearings.**

E-203 Blower

This unit appears to be in good condition. No action is recommended. **Guard needs to modified in order to access blower bearings.**

E-205 Blower

This unit appears to be in good condition. No action is recommended. **Guard needs to modified in order to access blower bearings.**

S-313 Scrubber Fan

Motor data indicates defects are present in motor bearings. Motor will likely need to be replaced in the next few months. Rated as a **CLASS II** defect. **Guard needs to modified in order to access fan bearings.**

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

Database:	TETRA	TECHNOLOGIES.rbm
Area:	TETRA	NEW

	Area: TET	KA NEW	
MEASU	REMENT POINT	OVERALL LEVEL	HFD / VHFD
305	- PUMP 305	(1	4-May-25)
		OVERALL LEVEL	1 - 20 KHz
	MOH	.066 In/Sec	1.567 G-s
	MOV	.064 In/Sec	.583 G-s
	MIH	.080 In/Sec	1.631 G-s
	MIV	.072 In/Sec	.769 G-s
	MIA	.050 In/Sec	.446 G-s
	EIA	.131 In/Sec	.054 G-s
	EIH	.164 In/Sec	.222 G-s
	EIV	.175 In/Sec	.081 G-s
	EOH	.165 In/Sec	.462 G-s
	EOV	.156 In/Sec	.069 G-s
307	- PUMP 307	(1-	4-May-25)
		OVERALL LEVEL	1 - 20 KHz
	MOH	.032 In/Sec	.302 G-s
	MOV	.037 In/Sec	.054 G-s
	MIH	.039 In/Sec	.198 G-s
	MIV	.029 In/Sec	.071 G-s
	MIA	.033 In/Sec	.052 G-s
	EIA	.042 In/Sec	.065 G-s
	EIH	.092 In/Sec	.205 G-s
	EIV	.062 In/Sec	.084 G-s
	EOH	.059 In/Sec	.157 G-s
	EOV	.063 In/Sec	.087 G-s
308	- PUMP 308	(14-May-25)	
		OVERALL LEVEL	1 - 20 KHz
	MOH	.040 In/Sec	.239 G-s
	MOV	.061 In/Sec	.056 G-s
	MIH	.030 In/Sec	.291 G-s
	MIV	.051 In/Sec	.072 G-s
	MIA	.032 In/Sec	.086 G-s
	EIA	.157 In/Sec	.032 G-s
	EIH	.405 In/Sec	.057 G-s
	EIV	.102 In/Sec	.034 G-s
	EOH	.158 In/Sec	.210 G-s
	EOV	.075 In/Sec	.029 G-s

309		- PUMP	309		(14-May-25)
				OVERALL LEVEI	1 - 20 KHz
	MOH			.047 In/Sec	.189 G-s
	MOV			.047 In/Sec	.096 G-s
	MIH			.058 In/Sec	.286 G-s
	MIV			.070 In/Sec	.059 G-s
	MIA			.067 In/Sec	.060 G-s
	EIA			.417 In/Sec	.033 G-s
	EIH			.059 In/Sec	.142 G-s
	EIV			.534 In/Sec	.025 G-s
	EOH			.042 In/Sec	.079 G-s
	EOV			.272 In/Sec	.031 G-s
				• • • • •	
312		- PUMP	312		(14-Mav-25)
				OVERALL LEVEI	1 - 20 KHz
	мон			.021 In/Sec	.048 G-s
	MOV			.030 In/Sec	.017 G-s
	мтн			025 In/Sec	094 G-s
	MTV			032 In/Sec	022 G-s
	MTA			042 In/Sec	019 G-s
	ETA			048 In/Sec	063 G-s
	ETH			023 In/Sec	095 G-s
	FTV			056 In/Sec	070 6-8
	L T A			.050 117 560	.070 G-5
314			31/		(1/-Max-25)
514		FOME	514	OVERALL LEVEL	(14 May 25) 1 - 20 KHz
	мон				199 6-8
	MOM			016 Tr/Sec	.155 G 3
	MTU			013 Tr/Sec	.057 G-s
	MIN			.013 IN/Sec	.305 G-S
	MIV			.017 IN/Sec	.025 G-S
	MIA			.012 IN/Sec	.050 G-S
	EIA			.014 In/Sec	.014 G-S
	EIH			.018 In/Sec	.102 G-s
	EIV			.019 In/Sec	.019 G-s
	EOH			.019 In/Sec	.030 G-s
	EOV			.023 In/Sec	.013 G-s
21 5			215		(14 Mars 25)
313		- POMP	315		(14 - May - 25) 1 - 20 KHz
	MOH			097 Tr/Sec	100 C-a
	MON			122 Tr/Sec	.199 G-S
	MOV			.132 In/Sec	.094 G-S
	MIH			.156 In/Sec	1.101 G-S
	MIV			.291 In/Sec	.200 G-S
	MIA			.193 In/Sec	.300 G-s
	EIA			.043 In/Sec	.040 G-S
	EIH			.042 In/Sec	.167 G-s
	EIV			.053 In/Sec	.067 G-s
	EOH			.035 In/Sec	.106 G-s
	EOV			.044 In/Sec	.037 G-s
400		DING	400		(14)
402		- POMP	402		(14-May-25)
	MOIT			OVERALL LEVEL	1 - 20 KHz
	MOH			.032 IN/Sec	.769 G-S
	MOV			.041 In/Sec	.196 G-s
	MIH			.030 In/Sec	.280 G-s
	MIV			.036 In/Sec	.107 G-s
	MIA			.027 In/Sec	.194 G-s
	EIA			.047 In/Sec	.047 G-s
	EIH			.047 In/Sec	.189 G-s
	EIV			.041 In/Sec	.049 G-s
	EOH			.044 In/Sec	.209 G-s
	EOV			.028 In/Sec	.074 G-s
415			415		(14 14 05)
415		- PUMP	415		(14-May-25)
	Mor			UVERALL LEVEI	
	MOH			.150 IN/Sec	1.003 G-S
	MOV			.2/9 In/Sec	.381 G-S
	MIH			.13/ In/Sec	1.436 G-s
	MIV			.281 In/Sec	.4/9 G-s

		.106 In/Sec	.375 G-s
EIA		.052 In/Sec	.127 G-s
EIH		.068 In/Sec	.484 G-s
ETV		054 Tn/Sec	262 G-s
FOR		0.46 Tr/Sec	538 C-s
EOH			.538 G-S
EOV		.038 In/Sec	.282 G-S
41.0			
416 -	- PUMP 416	(14-	-May-25)
		OVERALL LEVEL	1 - 20 KHz
MOH		.040 In/Sec	.532 G-s
MOV		.059 In/Sec	.088 G-s
MIH		.038 In/Sec	.381 G-s
MIV		.082 In/Sec	.091 G-s
мта		062 Tp/Sec	148 C-s
ETA		145 TR/Sec	.140 0 0
EIA		.145 IN/Sec	.050 G-S
ETH		.102 In/Sec	.190 G-s
EIV		.160 In/Sec	.072 G-s
EOH		.084 In/Sec	.111 G-s
EOV		.128 In/Sec	.051 G-s
421 -	- PUMP 421	(14-	-May-25)
		OVERALL LEVEL	1 - 20 KHz
MOH		.039 In/Sec	.934 G-s
MOV		.048 In/Sec	.192 G-s
мтн		048 Tn/Sec	820 G-s
MTV			206 0 0
MIV			.300 G-S
MIA		.046 In/Sec	.35/G-S
EIA		.064 In/Sec	.095 G-s
EIH		.065 In/Sec	.387 G-s
EIV		.066 In/Sec	.085 G-s
EOH		.040 In/Sec	.221 G-s
EOV		.055 In/Sec	.091 G-s
424 -	- PUMP 424	(14-	-Mav-25)
		OVERALL LEVEL	1 - 20 KHz
MOH		.033 In/Sec	.378 G-s
MOM		029 Tr/Sec	158 C-s
MOV		.025 m/sec	.130 G-S
MIH			.567 G-S
MIV		.026 In/Sec	.201 G-S
MIA		.016 In/Sec	.237 G-s
EIA		.033 In/Sec	.025 G-s
EIH		.030 In/Sec	.065 G-s
EIV		018 Tp/Soc	.027 G-s
		.010 11/360	050 0
EOH		.025 In/Sec	.050 G-S
EOH EOV		.025 In/Sec .022 In/Sec	.050 G-s .020 G-s
EOH EOV		.025 In/Sec .022 In/Sec	.050 G-s .020 G-s
EOH EOV	- Pump 604	.025 In/Sec .022 In/Sec .022 In/Sec	.050 G-s .020 G-s
EOH EOV 604 -	- Pump 604	.025 In/Sec .022 In/Sec .022 In/Sec (14-	.050 G-s .020 G-s -May-25) 1 - 20 KHz
EOH EOV 604 -	- Pump 604	.025 In/Sec .022 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s
EOH EOV 604 - MOH	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s 340 G-s
EOH EOV 604 - MOH MOV	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec 188 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s
EOH EOV 604 - MOH MOV MIH	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec .188 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s
EOH EOV 604 - MOH MOV MIH MIV	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec .188 In/Sec .519 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s
EOH EOV 604 - MOH MOV MIH MIV MIA	- Pump 604	.025 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec .188 In/Sec .519 In/Sec .296 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s
EOH EOV 604 MOH MOV MIH MIV MIA EIA	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec .188 In/Sec .519 In/Sec .296 In/Sec .251 In/Sec	.050 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s
EOH EOV 604 MOH MOV MIH MIV MIA EIA EIH	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .090 In/Sec .073 In/Sec .188 In/Sec .519 In/Sec .296 In/Sec .251 In/Sec .108 In/Sec	.050 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s
EOH EOV 604 - MOH MOV MIH MIV MIA EIA EIH EIV	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec .188 In/Sec .296 In/Sec .251 In/Sec .108 In/Sec .304 In/Sec	.050 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s
EOH EOV 604 - MOH MOV MIH MIV MIA EIA EIH EIV EOH	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .251 In/Sec .304 In/Sec .059 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s
EOH EOV	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec (14- OVERALL LEVEL .090 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .108 In/Sec .304 In/Sec .059 In/Sec .155 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s
EOH EOV	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .090 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .206 In/Sec .304 In/Sec .059 In/Sec .155 In/Sec	.050 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s
EOH EOV 604 MOH MOV MIH MIV MIA EIA EIH EIV EOH EOV	- Pump 604	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .073 In/Sec .073 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .108 In/Sec .304 In/Sec .155 In/Sec .155 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .093 G-s .093 G-s
EOH EOV 604 - MOH MOV MIH MIV MIA EIA EIH EIV EOH EOV	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .090 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .108 In/Sec .304 In/Sec .155 In/Sec .155 In/Sec .14- OVERALL LEVEL	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .093 G-s .093 G-s -May-25) 1 - 20 KHz
EOH EOV 604 - MOH MIH MIV MIA EIA EIH EIV EOH EOV	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .073 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .108 In/Sec .155 In/Sec .155 In/Sec .144 OVERALL LEVEL .039 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .093 G-s .093 G-s -May-25) 1 - 20 KHz .785 G-s
EOH EOV 604 - MOH MV MIH MVV MIA EIA EIH EIV EOH EOV	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .073 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .108 In/Sec .108 In/Sec .155 In/Sec .155 In/Sec .039 In/Sec .053 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s -May-25) 1 - 20 KHz .785 G-s .304 G-s
EOH EOV 604 - MOH MOV MIH EIA EIH EIV EOH EOV	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .073 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .108 In/Sec .059 In/Sec .155 In/Sec .039 In/Sec .033 In/Sec .034 In/Sec	.050 G-s .020 G-s -May-25) 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .093 G-s .093 G-s .093 G-s .093 G-s .1 - 20 KHz .785 G-s .304 G-s .636 G-s
EOH EOV 604 - MOH MOV MIH EIN EIN EOH EOV CTP-701 - MOH MOV MIH	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .073 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .251 In/Sec .108 In/Sec .155 In/Sec .155 In/Sec .059 In/Sec .053 In/Sec .053 In/Sec .034 In/Sec .043 In/Sec	.050 G-s .020 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .093 G-s .093 G-s .093 G-s .093 G-s .304 G-s .636 G-s .150 G-s
EOH EOV 604 MOH MOV MIH EIA EIH EIV EOH EOV CTP-701 CTP-701	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .022 In/Sec .090 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .251 In/Sec .108 In/Sec .059 In/Sec .155 In/Sec .053 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec	.050 G-s .020 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s .093 G-s .304 G-s .304 G-s .636 G-s .150 G-s .276 G-s
EOH EOV -	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .030 In/Sec .073 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .251 In/Sec .108 In/Sec .059 In/Sec .155 In/Sec .039 In/Sec .031 In/Sec .034 In/Sec .034 In/Sec .033 In/Sec .023 In/Sec	.050 G-s .020 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s .093 G-s .304 G-s .304 G-s .636 G-s .150 G-s .276 G-s .090 C-c
EOH EOV -	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .030 In/Sec .090 In/Sec .188 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .251 In/Sec .108 In/Sec .304 In/Sec .155 In/Sec .059 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .059 In/Sec	.050 G-s .020 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s .093 G-s .093 G-s .304 G-s .304 G-s .636 G-s .150 G-s .276 G-s .080 G-s
EOH EOV 604 -	- Ритр 604 - СТР-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .022 In/Sec .090 In/Sec .090 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .296 In/Sec .304 In/Sec .059 In/Sec .059 In/Sec .053 In/Sec .034 In/Sec .034 In/Sec .043 In/Sec .059 In/Sec .058 In/Sec	.050 G-s .020 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s .093 G-s .304 G-s .304 G-s .636 G-s .150 G-s .276 G-s .080 G-s .207 G-s
EOH EOV 604	- Pump 604 - CTP-701	.015 In/Sec .025 In/Sec .022 In/Sec .022 In/Sec .022 In/Sec .090 In/Sec .090 In/Sec .188 In/Sec .296 In/Sec .296 In/Sec .251 In/Sec .108 In/Sec .155 In/Sec .059 In/Sec .053 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .034 In/Sec .059 In/Sec .059 In/Sec .059 In/Sec .058 In/Sec .058 In/Sec	.050 G-s .020 G-s .020 G-s 1 - 20 KHz 1.939 G-s .340 G-s .531 G-s .219 G-s .328 G-s .081 G-s .399 G-s .079 G-s .208 G-s .093 G-s .093 G-s .093 G-s .304 G-s .636 G-s .150 G-s .276 G-s .094 G-s .094 G-s

EOV		.045 In/Sec	.076 G-s	
CTP-300 - 0	CTP-300		(14-May-25)	
		OVERALL LEVEL	1 - 20 KHz	
МОН		.09/ In/Sec	.502 G-s	
MOV		.099 In/Sec	.265 G-S	
MIH		.099 In/Sec	.961 G-S	
MIV		.12/ IN/Sec	.174 G-S	
MIA		.074 IN/Sec	.201 G-S	
EIA		196 Tr/Sec	.202 G-S	
EIN		121 In/Sec	1.200 G-S	
FOU		110 Tn/Sec	1 121 G-S	
EON		.119 IN/Sec	361 G-S	
201		,		
E-201 - 1	E-201 BLOWER		(14-May-25)	
		OVERALL LEVEL	1K-20KHz	
МОН		.250 In/Sec	.168 G-s	
MOV		.663 In/Sec	.044 G-s	
MIH		.169 In/Sec	.139 G-s	
MIV		.599 In/Sec	.021 G-s	
MIA		.407 In/Sec	.034 G-s	
E-302 - 1	E-302 BLOWER		(14-May-25)	
		OVERALL LEVEL	1K-20KHz	
MOH		.129 In/Sec	.581 G-s	
MOV		.238 In/Sec	.218 G-s	
MIH		.103 In/Sec	.850 G-s	
MIV		.219 In/Sec	.197 G-s	
MIA		.367 In/Sec	.359 G-s	
POH		.113 In/Sec	.417 G-s	
POV		.115 In/Sec	.074 G-s	
POA		.214 In/Sec	.089 G-s	
= 000			(14 Mars 05)	
E-203 - 1	E-203 BLOWER		(14 - May - 25)	
MOH		OVERALL LEVEL		
MOH		.070 IN/Sec	.209 G-S	
MOV		.14/ IN/Sec	.007 G-S	
MIN		.107 IN/Sec	.302 G-S	
MIV		215 In/Sec	.043 G-8	
		.215 11,500		
E-205 - 1	E-205 BLOWER		(14-May-25)	
		OVERALL LEVEL	1K-20KHz	
МОН		.136 In/Sec	.095 G-s	
MOV		.111 In/Sec	.020 G-s	
MIH		.227 In/Sec	.079 G-s	
MIV		.151 In/Sec	.046 G-s	
MIA		.224 In/Sec	.045 G-s	
S-313 SF - 9	S-313 SCRUBBER	FAN	(14-May-25)	
		OVERALL LEVEL	1K-20KHz	
MOH		.230 In/Sec	.629 G-s	
MOV		.184 In/Sec	.241 G-s	
MIH		.232 In/Sec	2.163 G-s	
MIV		.150 In/Sec	.288 G-s	
MIA		.108 In/Sec	.456 G-s	
Clarification of	Vibration Mrit			
	C-s PMC			
Vel>	In/Sec PK			
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As always, it has been a pleasure to serve Tetra Technologies. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

Kerin W. Maruell

ISO Certified Vibration Analyst, Category III



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