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October 2, 2019

Valero West Memphis Terminal West Memphis, AR

The following is a summary of findings from the September 2019 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.

31-15-042 Short Horn Lateral Pump

Motor/Pump was not in service during this survey.

#1 Barge Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#2 Barge Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#3 Barge Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#4 Barge Loading Pump

Motor data is showing signs of defects in motor bearings. This issue appears to be getting worse. Motor needs to be repaired soon. Ensure motor has adequate lubrication for now as we will continue to monitor this issue closely. Rated as a **CLASS III** defect.

#8 LX Truck Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#12 LX Truck Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#13 XX Truck Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#14 XX Truck Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#17 LS Truck Loading Pump

Motor/Pump was not in service during this survey.

#15NL Truck Loading Pump

Pump data continues to show signs of bearing defects/wear in the pump. We will continue to monitor this closely. Rated as a **CLASS II** defect.

#18 NL Truck Loading Pump

Drive end of the pump is showing some signs of possible looseness/weae in the pump fits or perhaps in the coupling/hub. We will monitor this issue closely. Rated as a **CLASS II** defect.

#6 Transfer Pump

Motor/Pump was not in service during this survey.

#5 Truck Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#7 Truck Loading Pump

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#43 Bio-Diesel Pump North

Motor/Pump appeared to be operating at acceptable vibration levels during this survey.

#44 Bio-Diesel Pump Middle

Motor data is still showing a high 1 x rpm vibration especially in the inboard axial. Pump data also indicates some possible looseness type vibration in the DE of the pump. This could be coupling related or fit looseness of the pump. Inspect unit for these issues soon. We will monitor these issues closely. Rated as a CLASS III defect.

#45 Bio-Diesel Pump South

Data of the motor still is starting to indicate bearing faults in motor bearings. We will monitor this closely. Rated as a **CLASS II** defect for now.

As always, it has been a pleasure to serve the Valero West Memphis Truck Terminal. If there are any comments or questions, do not hesitate to contact us.

> VHFD _ _ _ _ _

KHz

1.019 G-s

.327 G-s

Sincerely,

Kevin W. Maxuell

ISO Certified Vibration Analyst, Category III



QualiTest . Diagnostics Cell: 901-486-4565 Email: kwilliam@gohispeed.com

MOV

MIH

Abbreviated Last Measurement Summary ************************************	* * * * * *
Database: west memphis.rbm Station: WEST MEMPHIS TERMINAL	
MEASUREMENT POINT OVERALL LEVEL	HFD / VHF
#1 BARGE - #1 BARGE LOADING PUMP (0)	2-Oct-19)
OVERALL LEVEL	1 - 20 KHz
MOH .205 In/Sec	.551 G-s
MOV .082 In/Sec	.564 G-s
MIH .103 In/Sec	.396 G-s
MIV .066 In/Sec	.376 G-s
MIA .063 In/Sec	.314 G-s
#2 BARGE - #2 BARGE LOADING PUMP (0)	2-Oct-19)
OVERALL LEVEL	1 - 20 KHz
MOH .088 In/Sec	.584 G-s

.089 In/Sec

.041 In/Sec

MIV MIA		.037 In/Sec .038 In/Sec	.702 G-s .251 G-s
МОН	- #3 BARGE LOADING	OVERALL LEVEL .062 In/Sec	1 - 20 KHz .114 G-s
MOV MIH		.113 In/Sec .080 In/Sec	.202 G-S 180 G-S
MIV		.099 In/Sec	
MIA		.113 In/Sec	.058 G-s
#4 BARGE -	- #4 BARGE LOADING		
		OVERALL LEVEL .160 In/Sec	1 - 20 KHz
MOH MOV		.139 In/Sec	1.014 G-S 1 231 G-s
MIH		.232 In/Sec	
MIV		.161 In/Sec	.989 G-s
MIA		.161 In/Sec .373 In/Sec	.475 G-s
#8LX PUMP -	- #8 LX TRUCK LOAD	•	
		OVERALL LEVEL	
MOH MOV		.041 In/Sec	.341 G-s
MUV MIH		.036 In/Sec .034 In/Sec	.540 G-S 409 G-S
MIV		.028 In/Sec	.307 G-s
MIA		.033 In/Sec	
#12LX PUMP -	- #12 LX TRUCK LOA	DING PUMP ()	02-Oct-19)
		OVERALL LEVEL	1 - 20 KHz
MOH		.200 In/Sec .139 In/Sec	.052 G-s
MOV			
MIH MIV		.116 In/Sec	.086 G-s
MIV MIA		.071 In/Sec .076 In/Sec	.073 G-s .100 G-s
		,	
#13XX PUMP -	- #13 XX TRUCK LOA	DING PUMP ((02-Oct-19)
#13XX PUMP -	- #13 XX TRUCK LOA	OVERALL LEVEL	1 - 20 KHz
#13XX PUMP - MOH	- #13 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec	1 - 20 KHz .257 G-s
MOH MOV	- #13 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec	1 - 20 KHz .257 G-s .395 G-s
MOH MOV MIH	- #13 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec	1 - 20 KHz .257 G-s .395 G-s
MOH MOV MIH MIV	- #13 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s
MOH MOV MIH MIV MIA		OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s
MOH MOV MIH MIV MIA	- #13 XX TRUCK LOA - #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP ((1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s
MOH MOV MIH MIV MIA		OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP ((OVERALL LEVEL	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz
MOH MOV MIH MIV MIA #14XX PUMP -		OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP ((1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH		OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP (1 OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s .340 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV		OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP (1 OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s .340 G-s .342 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV MIA	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP (1 OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s .340 G-s .342 G-s .272 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV MIA		OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP (1 OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s .340 G-s .342 G-s .272 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV MIA	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP (1 OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec DING PUMP (1 OVERALL LEVEL .051 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV MIA #15NL PUMP -	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec DING PUMP OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec OVERALL LEVEL .051 In/Sec .051 In/Sec .051 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MIH MIV MIA #15NL PUMP - MOH	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .031 In/Sec DING PUMP OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec DING PUMP (0 OVERALL LEVEL .051 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MIH MIV MIA #15NL PUMP - MOH MIH MIA EIH	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .031 In/Sec DING PUMP OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec DING PUMP OVERALL LEVEL .051 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MIH MIV MIA #15NL PUMP - MOH MIH MIA EIH EIA	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .039 In/Sec .031 In/Sec .031 In/Sec DING PUMP OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MIH MIV MIA #15NL PUMP - MOH MIH MIA EIH	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .031 In/Sec DING PUMP OVERALL LEVEL .118 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec DING PUMP OVERALL LEVEL .051 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MIH MIV MIA #15NL PUMP - MOH MIH MIA EIH EIA EOH	- #14 XX TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .078 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec .050 In/Sec .109 In/Sec .050 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .342 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s .286 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV MIA #15NL PUMP - MOH MIH MIA EIH EIA EOH	- #14 XX TRUCK LOA - #15 NL TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .078 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .037 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec .050 In/Sec .109 In/Sec .050 In/Sec .050 In/Sec .109 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s .286 G-s 02-Oct-19) 1 - 20 KHz
MOH MOV MIH MIV MIA #14XX PUMP - MOH MIH MIV MIA #15NL PUMP - MOH MIH MIA EIH EIA EOH	- #14 XX TRUCK LOA - #15 NL TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .078 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec .050 In/Sec .109 In/Sec .050 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .452 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s .286 G-s 02-Oct-19) 1 - 20 KHz
MOH MOV MIH MIV MIA +14XX PUMP - MOH MOV MIH MIV MIA +15NL PUMP - MOH MIH MIA EIH EIA EOH	- #14 XX TRUCK LOA - #15 NL TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec .050 In/Sec .109 In/Sec DING PUMP (0 OVERALL LEVEL .051 In/Sec .051 In/Sec .037 In/Sec .050 In/Sec .109 In/Sec .103 In/Sec .103 In/Sec .331 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s .286 G-s 02-Oct-19) 1 - 20 KHz .079 G-s .075 G-s .098 G-s
MOH MOV MIH MIV MIA +14XX PUMP - MOH MOV MIH MIV MIA +15NL PUMP - MOH MIH EIA EOH +18NL PUMP -	- #14 XX TRUCK LOA - #15 NL TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .078 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec .050 In/Sec .109 In/Sec DING PUMP OVERALL LEVEL .051 In/Sec .103 In/Sec .103 In/Sec .103 In/Sec .103 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s .286 G-s 02-Oct-19) 1 - 20 KHz .079 G-s .075 G-s .098 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV MIA #15NL PUMP - #18NL PUMP - #18NL PUMP -	- #14 XX TRUCK LOA - #15 NL TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .078 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec .050 In/Sec .109 In/Sec DING PUMP OVERALL LEVEL .051 In/Sec .103 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s .286 G-s 02-Oct-19) 1 - 20 KHz .079 G-s .075 G-s .098 G-s .045 G-s .126 G-s
MOH MOV MIH MIV MIA #14XX PUMP - MOH MOV MIH MIV MIA #15NL PUMP - #18NL PUMP - #18NL PUMP -	- #14 XX TRUCK LOA - #15 NL TRUCK LOA	OVERALL LEVEL .044 In/Sec .058 In/Sec .032 In/Sec .031 In/Sec .078 In/Sec .078 In/Sec .086 In/Sec .051 In/Sec .041 In/Sec .051 In/Sec .051 In/Sec .051 In/Sec .037 In/Sec .090 In/Sec .140 In/Sec .050 In/Sec .109 In/Sec DING PUMP OVERALL LEVEL .051 In/Sec .103 In/Sec .103 In/Sec .103 In/Sec .103 In/Sec	1 - 20 KHz .257 G-s .395 G-s .236 G-s .219 G-s .204 G-s 02-Oct-19) 1 - 20 KHz .446 G-s .340 G-s .342 G-s .272 G-s 02-Oct-19) 1 - 20 KHz .552 G-s .094 G-s .062 G-s 1.290 G-s .235 G-s .286 G-s 02-Oct-19) 1 - 20 KHz .079 G-s .075 G-s .098 G-s .045 G-s .126 G-s .155 G-s

#5TRCKLOAD	- #5	TRUCK	LOADING	PUMP		(02-Oct-19)	
						1 - 2		
МОН					In/Sec			
MIH					In/Sec			
MIA					In/Sec			
EIH					In/Sec			
EIA					In/Sec			
EOH						.012		
2011					111, 500			
#7TRCKLOAD	- #7	TRUCK	LOADING	PUMP		(02-Oct-19)	
				OVERAI	LL LEVEL	1 - 2	OKHz	
МОН					In/Sec		G-s	
MIH					In/Sec			
MIA					In/Sec			
EIH					In/Sec			
EIA					In/Sec			
EOH				.107	In/Sec	.149		
#43BOIDSLP	- #4	3 віо-і	IESEL PU	JMP NOR	RTH	(02-Oct-19)	
						1 - 2		
МОН				.058	In/Sec	.073		
MIH					In/Sec	072	G-8	
MIA					In/Sec		G-s	
EIH					In/Sec	.449	G-s	
EIA					In/Sec	. 637		
EOH					In/Sec			
					,			
#44BOIDSLP	- #4	4 BIO-E	IESEL PU	JMP MII	DDLE	(02-Oct-19)	
				OVERAI	LL LEVEL	1 - 2	0 KHz	
MOH					In/Sec			
MIH				.214	In/Sec	1.330	G-s	
MIA					In/Sec			
EIH				.292	In/Sec	.477	G-s	
EIA				.181	In/Sec	.454	G-s	
EOH				.177	In/Sec	.277	G-s	
#45BOIDSLP	- #4	5 BIO-E	IESEL PU	JMP SOU	JTH	(02-Oct-19)	
				OVERAL	LL LEVEL	1 - 2	0 KHz	
MOH				.089	In/Sec	. 972	G-s	
MIH				.070	In/Sec	.604	G-s	
MIA				.099	In/Sec		G-s	
EIH				.239	In/Sec	.729	G-s	
EIA				.364	In/Sec	2.240	G-s	
EOH					In/Sec			
				–			-	
Clarification	of v	ibratio	on Units:	:				
	-> G		RMS					
Vol	-> T	7/500	DK					

Vel --> In/Sec PK