HI-SPEED INDUSTRIAL SERVICE

QualiTest® Diagnostics

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June 20th, 2025

Mason Shelly
Unipres Corp.
Forest, MS

Mason,

The following is a summary of findings from the vibration survey that was performed on June 11th, 2025.

QualiTest® uses a four step rating system for defects.

CLASS I: Defect is present, but effect on reliability is not clear; no immediate action is required. Continue to normally monitor.

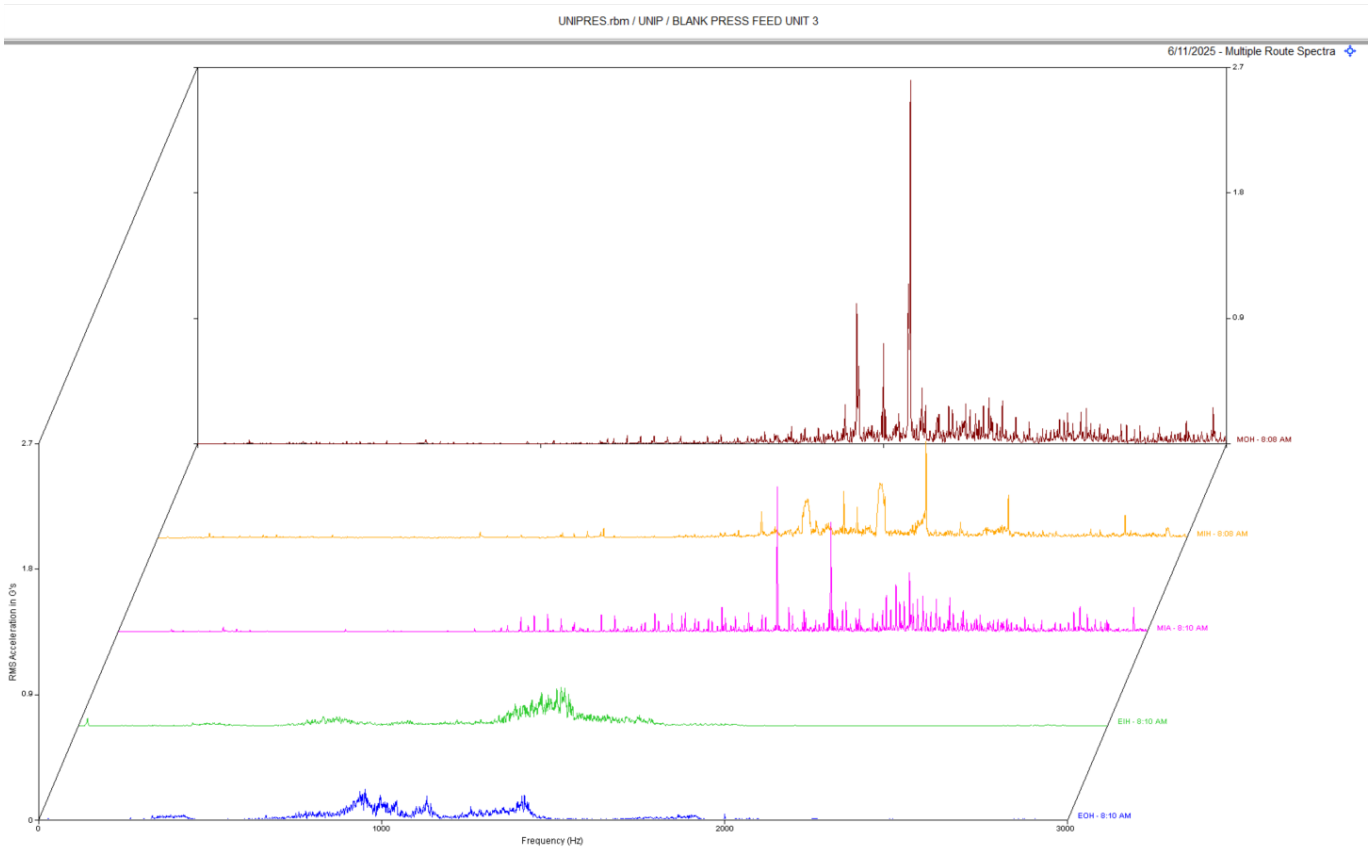
CLASS II: Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

CLASS III; 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.

CLASS IV; 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

Defect Summary

Blank Press Feed Unit 3 CLASS II



Observation:
Data above is the multipoint spectra of the motor and pump. Data shows several non-synchronous peaks in the motor spectra. Pump spectra shows some high frequency noise floor.

Recommendation:
This appears to be our first collection of this equipment, so severity is unclear until we can establish trend able data. However, it is recommended to inspect the motor for defects soon. Ensure pump flow is not restricted. Inspect pump for wear also.

Abbreviated Last Measurement Summary

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Database: UNIPRES.rbm
Area: UNIPRES

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
CRANE1MAIN - CRANE 1 MAIN HOIST	(11-Jun-25)	
	OVERALL LEVEL	1-20KHZ
MOH	.036 In/Sec	.358 G-s
MOV	.034 In/Sec	.173 G-s
MIV	.036 In/Sec	.040 G-s
MIH	.020 In/Sec	.150 G-s
MIA	.016 In/Sec	.070 G-s
GIA	.016 In/Sec	.030 G-s
GIH	.012 In/Sec	.084 G-s
GIV	.031 In/Sec	.057 G-s
G01	.014 In/Sec	.019 G-s
GI2	.020 In/Sec	.0076 G-s
G02	.017 In/Sec	.266 G-s
CRAIN2MAIN - CRANE 2 MAIN HOIST	(11-Jun-25)	
	OVERALL LEVEL	1-20KHZ
MOH	.157 In/Sec	.177 G-s
MOV	.096 In/Sec	.076 G-s
MIV	.030 In/Sec	.106 G-s
MIH	.108 In/Sec	.399 G-s
MIA	.017 In/Sec	.050 G-s
GIA	.058 In/Sec	.0093 G-s
GIH	.028 In/Sec	.010 G-s
GIV	.078 In/Sec	.015 G-s
G01	.051 In/Sec	.216 G-s
GI2	.025 In/Sec	.069 G-s
G02	.045 In/Sec	.103 G-s
CRAIN3MAIN - CRANE 3 MAIN HOIST	(11-Jun-25)	
	OVERALL LEVEL	1-20KHZ
MOH	.064 In/Sec	.272 G-s
MOV	.080 In/Sec	.129 G-s
MIV	.037 In/Sec	.093 G-s
MIH	.038 In/Sec	.287 G-s
MIA	.025 In/Sec	.053 G-s
GIA	.021 In/Sec	.080 G-s
GIH	.019 In/Sec	.352 G-s
GIV	.047 In/Sec	.066 G-s
G01	.020 In/Sec	.015 G-s
GI2	.020 In/Sec	.320 G-s
G02	.029 In/Sec	.218 G-s
CRAIN4MAIN - CRANE 4 MAIN HOIST	(11-Jun-25)	
	OVERALL LEVEL	1-20KHZ
MOH	.039 In/Sec	.561 G-s
MOV	.017 In/Sec	.114 G-s
MIV	.018 In/Sec	.114 G-s
MIH	.038 In/Sec	.561 G-s
MIA	.033 In/Sec	.060 G-s
GIA	.033 In/Sec	.060 G-s
GIH	.040 In/Sec	.561 G-s
GIV	.019 In/Sec	.114 G-s
G01	.037 In/Sec	.017 G-s
GI2	.036 In/Sec	.188 G-s
G02	.015 In/Sec	.246 G-s
CRAIN5MAIN - CRANE 5 MAIN HOIST	(11-Jun-25)	

	OVERALL LEVEL	1-20KHZ
MOH	.035 In/Sec	.078 G-s
MOV	.022 In/Sec	.036 G-s
MIV	.022 In/Sec	.035 G-s
MIH	.028 In/Sec	.210 G-s
MIA	.018 In/Sec	.051 G-s
GIA	.015 In/Sec	.032 G-s
GIH	.0089 In/Sec	.054 G-s
GIV	.023 In/Sec	.042 G-s
G01	.012 In/Sec	.063 G-s

CRAIN5AUX - CRANE 5 AUXULLARY HOIST (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.031 In/Sec	.075 G-s
MOV	.029 In/Sec	.085 G-s
MIV	.030 In/Sec	.455 G-s
MIH	.031 In/Sec	.667 G-s
GIH	.018 In/Sec	.117 G-s
GIV	.028 In/Sec	.184 G-s

CRAIN6MAIN - CRANE 6 MAIN HOIST (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.048 In/Sec	.203 G-s
MOV	.113 In/Sec	.038 G-s
MIV	.094 In/Sec	.030 G-s
MIH	.031 In/Sec	.079 G-s
MIA	.028 In/Sec	.028 G-s
GIA	.022 In/Sec	.045 G-s
GIH	.024 In/Sec	.055 G-s
GIV	.098 In/Sec	.016 G-s
G01	.020 In/Sec	.098 G-s

P1DRVMOTOR - 2500T PRESS DRIVE MOTOR (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.013 In/Sec	.706 G-s
MIH	.017 In/Sec	.949 G-s
MIA	.017 In/Sec	1.359 G-s

P2DRVMOTOR - 3500T PRESS DRIVE MOTOR (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.037 In/Sec	.683 G-s
MIH	.012 In/Sec	.303 G-s
MIA	.0076 In/Sec	.332 G-s

P3DRVMOTOR - BLANKING PRESS DRIVE MOTOR (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.013 In/Sec	.343 G-s
MIH	.012 In/Sec	.452 G-s
MIA	.013 In/Sec	.603 G-s

BKPRDRMTR1 - BLANK PRESS FEED UNIT 1 (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.047 In/Sec	.190 G-s
MIH	.063 In/Sec	.215 G-s
MIA	.038 In/Sec	.133 G-s
EA	.071 In/Sec	.639 G-s
EIH	.075 In/Sec	.371 G-s
EOH	.112 In/Sec	.344 G-s

BKPRDRMTR2 - BLANK PRESS FEED UNIT 2 (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.038 In/Sec	.052 G-s
MIH	.0058 In/Sec	.0013 G-s

BKPRDRMTR3 - BLANK PRESS FEED UNIT 3 (11-Jun-25)

	OVERALL LEVEL	1-20KHZ
MOH	.183 In/Sec	4.056 G-s
MIH	.108 In/Sec	1.701 G-s
MIA	.094 In/Sec	2.705 G-s
EIH	.296 In/Sec	1.321 G-s

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            EOH                      .156 In/Sec      1.292 G-s


      BKPRDRMTR4 - BLANK PRESS FEED HPU UNIT 4    (11-Jun-25)
                                   OVERALL LEVEL     1-20KHZ
            MOH                     .040 In/Sec       .267 G-s
            MIH                     .043 In/Sec       .197 G-s
            MIA                     .090 In/Sec       .094 G-s
            EA                      .151 In/Sec       .194 G-s
            EIH                     .053 In/Sec       .017 G-s
            EOH                     .048 In/Sec       .149 G-s

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   Clarification Of Vibration Units:
      Acc       -->  G-s      RMS
      Vel       -->  In/Sec   PK
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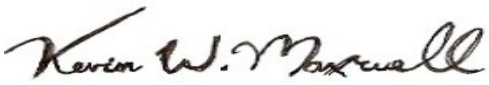
As always, it has been a pleasure to serve Unipres Forest, MS. If there are any comments or questions, do not hesitate to contact us.

Sincerely,



ISO Certified Vibration Analyst, Category III

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QualiTest® Diagnostics

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