

7030 Ryburn Dr. Millington, TN Phone: (901) 873-5300 Fax: (901) 873-5301 www.gohispeed.com

April 1, 2021

**NUCOR Melt Shop** 

Subject: March 2021 vibration survey

Below is a summary report for the Melt Shop monthly vibration survey that was performed on 3/31/21. Most of the machines surveyed were found to be in good condition except for the following:

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.

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

**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**

## **West Caster Mold Water Pump**

High 1 x rpm vibration is present in the motor axial. This indicates angular misalignment. Motor and pump may also have some internal wear. Perform a precision alignment with less than .003" offset and angularity. Ensure there is no soft foot present in the motor. Rated as a **CLASS II** defect.

## **East Caster Mold Water Pump**

Pump is still showing some signs of internal wear. Coupling may also be wearing due to misalignment. Perform a precision alignment with less than .003" offset and angularity. Ensure there is no soft foot present. Rated as a **CLASS** defect.

#### **West Booster Pump**

Pump data shows another increase in non-synchronous vibration at the outboard end of the pump. This is good indication of bearing defects taking place in the pump bearings. Pump will need attention SOON. Rated as a **CLASS III** defect.

#### Cooling Tower #2 Supply Pump

**Pump was down this survey; however, the following still applies:** The pump appears to have cavitation which is causing a high noise floor in the spectrum. This is also making the ODE pump bearing have high acceleration. This could also be a bearing issues, but the noise floor is masking the data somewhat. Pump impeller or other pump internals may also be worn which could be causing this vibration. Pump needs to be inspected as time allows. Rated as a **CLASS II** defect.

## **Cooling Tower #3 Supply Pump**

**Pump was down this survey; however, the following still applies:** The pump appears to have cavitation which is causing a high noise floor in the spectrum. This is also making the ODE pump bearing have high acceleration. This could also be a bearing issues, but the noise floor is masking the data somewhat. Pump impeller or other pump internals could also be worn which could be causing this vibration. Pump needs to be inspected as time allows. Rated as a **CLASS II** defect.

### Cooling Tower #6 Supply Pump

The pump vibration data is still indicating that there is bearing wear, and possibly cavitation in the pump. Inspect ODE pump bearing SOON. Ensure the pump has no inlet restrictions and is operating in the correct part of the curve. Rated as a **CLASS II** defect.

#### **Spray Chamber Exhaust Fan**

Fan and motor vibration is much higher this survey **Motor is vibrating at 2.0 ips-pk**. Outboard fan bearing is showing signs of defects/wear. Inspect fan bearings especially the ODE fan bearing for defects and proper lubrication. This unit is very likely operating near a critical speed and is resonant which is likely influencing the high vibration in the motor and fan. It is recommended to replace the fan and fan shaft assembly as downtime allows. Fan has excessive build up and fan shaft is possibly bent and or worn. We will continue to monitor this closely. Rated as a **CLASS IV** defect.

#### West Furnace Baghouse Fan

Fan data continues to show an uprise in fan speed vibration that is likely due to imbalance of the fan wheel. Overall vibration at the inboard horizontal is .18 ips-pk this month. On average, it is .1 ips-pk. There has also been an uptick in high frequency vibration which may be early signs of bearing issue. Ensure grease is adequate and clean. Rated as a **CLASS II** defect.

# **South Caster Oscillator**

This unit has visible axial movement of the input of the gear drive. You can see the movement at the coupling gap. Data of the gear drive does show some gear noise and this unit seems to be knocking worse than the other two drives. Inspect unit as scheduling allows. Rated as a **CLASS II** defect.

#### 

Station: Melt Shop

Sta	ation: Melt Shop	)	
MEASUREMENT		OVERALL LEVEL	
WCMWP -	- WEST CASTER MOLI	WATER PUMP (31-	Mar-21)
		OVERALL LEVEL	1K-20KHz
MOH		.134 In/Sec .129 In/Sec	.888 G-s
MIH		.129 In/Sec	1.583 G-s
MIA		.147 In/Sec	.987 G-s
PIA		.211 In/Sec	.892 G-s
PIH		.163 In/Sec	.911 G-s
POH		.145 In/Sec	.783 G-s
MCMWP -	- MID CASTER MOLD	WATER PUMP (31-	Mar-21)
		OVERALL LEVEL	
MOH		.091 In/Sec	
MIH		.096 In/Sec .132 In/Sec	.609 G-s
MIA		.132 In/Sec	.987 G-s
PIA		.170 In/Sec	
PIH		.176 In/Sec	1.288 G-s
POH		.092 In/Sec	1.126 G-s
WBOSTRP -	- WEST Booster PUM		Mar-21)
		OVERALL LEVEL .064 In/Sec	1K-20KHz
MOH			
MIH		.052 In/Sec	
MIA		.048 In/Sec .121 In/Sec	.246 G-s
PIA			
PIH		.105 In/Sec	
POH		.172 In/Sec	1.679 G-s
ECSWP 1LFT		AY WP 1 LEFT (31-	
		OVERALL LEVEL	1K-20KHz
MOH		.349 In/Sec .232 In/Sec	.441 G-s
MIH		.232 In/Sec	1.713 G-s
MIA		.200 In/Sec	2.197 G-s
MCSWP 2LFT		WP 2 LEFT (31-	
		OVERALL LEVEL	
MOH		.449 In/Sec	.454 G-s
MIH		.234 In/Sec .191 In/Sec	.642 G-s
MIA		.191 In/Sec	.505 G-s
MCSWP 3RT	- MID CASTER SPRAY	WP 3 RIGHT (31-	
		OVERALL LEVEL	
MOH		.112 In/Sec	.421 G-s
MIH		.099 In/Sec	.448 G-s
MIA		.156 In/Sec	.119 G-s
MSERVOHYDP -	- MIDDLE SERVO Hyd	1 PUMP (31-	
		OVERALL LEVEL	
MOH		.115 In/Sec	.254 G-s
MIH		.052 In/Sec	.280 G-s
PIV		.094 In/Sec	.622 G-s
WSERVOHYDP -	- WEST SERVO Hyd F	PUMP (31-	Mar-21)
		OVERALL LEVEL	1K-20KHz
МОН		.065 In/Sec	.218 G-s
MIH		.053 In/Sec	.368 G-s

PIV .102 In/Sec 1.340 G-s

SERVOHRECP				
	-	SERVO Hyd RE	CIRC PUMP	(31-Mar-21)
WOT			.056 In/Sec	L 1K-20KHz
MOH MIH			.056 In/Sec	.165 G-s .347 G-s
PIV				.283 G-s
FIV			.079 111/500	.205 G-S
N2DECKHYDP	_	North 2ND DE	CK Hyd PUMP	(31-Mar-21)
			OVERALL LEVE	L 1K-20KHz
MOH			.083 In/Sec	.613 G-s .831 G-s 4.864 G-s
MIH			.105 In/Sec	.831 G-s
PIV			.334 In/Sec	4.864 G-s
00000000		037D DEGT 7.60	mad protect prot	(21 Mars 01)
2DEKRECTP	_	2ND DECK L&S	Hyd RECIRC PUM	(31-Mar-21) L 1K-20KHz
мон			089 Tn/Sec	1K-20KH2 376 G-e
MIH			.005 In/Sec	968 G-s
PIV			.299 In/Sec	.376 G-s .968 G-s 3.520 G-s
S2DECKHYDP	-	SOUTH 2ND DE	CK Hyd PUMP	(31-Mar-21)
			OVERALL LEVE	L 1K-20KHz
MOH			.074 In/Sec	.786 G-s
MIH			.127 In/Sec	1.440 G-s 3.643 G-s
PIV			.124 In/Sec	3.643 G-s
ISUPLYP	_	#1 Supply Pu		(31-Mar-21)
мон			OFO TO COO	L 1K-20KHz .211 G-s
MOH MIH			.050 In/Sec	.211 G-s
MIA			.055 In/Sec	.161 G-S
PIA			225 In/Sec	.255 G-s 1.225 G-s
PIH				1.919 G-s
POH				1.848 G-s
4SUPLYP	-	#4 Supply Pu	mp	(31-Mar-21)
			OVERALL LEVE	L 1K-20KHz
MOH			.052 In/Sec	.496 G-s 1.152 G-s
MIH			.074 In/Sec	1.152 G-s
MIA			.082 In/Sec	.326 G-s
PIA				
			.188 In/Sec	.790 G-s
PIH				.326 G-s .790 G-s 1.496 G-s
PIH POH				.790 G-s 1.496 G-s 1.138 G-s
РОН	_	#5 Supply Pu	.191 In/Sec	1.138 G-s
РОН	-	#5 Supply Pu	.191 In/Sec	1.138 G-s (31-Mar-21)
РОН	_	#5 Supply Pu	.191 In/Sec mp OVERALL LEVE	1.138 G-s (31-Mar-21) L 1K-20KHz
POH 5SUPLYP	-	#5 Supply Pu	.191 In/Sec mp	1.138 G-s (31-Mar-21) L 1K-20KHz .619 G-s
POH 5SUPLYP MOH	_	#5 Supply Pu	.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec	1.138 G-s (31-Mar-21) L 1K-20KHz .619 G-s .983 G-s .314 G-s
POH 5SUPLYP MOH MIH	_	#5 Supply Pu	.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec	1.138 G-s (31-Mar-21) L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s
POH  5SUPLYP  MOH MIH MIA	-	#5 Supply Pu	mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec	1.138 G-s (31-Mar-21) L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s
POH  5SUPLYP  MOH MIH MIA PIA	-	#5 Supply Pu	.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec	1.138 G-s (31-Mar-21) L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH			.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec	1.138 G-s (31-Mar-21) L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH		#5 Supply Pu	.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)
POH  5SUPLYP  MOH MIH MIA PIA PIH POH			.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH			.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH MIH			.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH			.191 In/Sec mp OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp OVERALL LEVE .054 In/Sec .073 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH MIH MIA			.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp  OVERALL LEVE .054 In/Sec .073 In/Sec .077 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .573 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH MIH MIA PIA			.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp  OVERALL LEVE .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .573 G-s 1.153 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH MIH MIA PIA PIH			.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp  OVERALL LEVE .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec .245 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .573 G-s 1.153 G-s
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH MIH MIA PIA PIH	-	#6 Supply Pu	.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp  OVERALL LEVE .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec .245 In/Sec .324 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .573 G-s 1.153 G-s 3.265 G-s
POH  5SUPLYP  MOH MIH MIA PIA POH  6SUPLYP  MOH MIH MIA PIA PIH POH  CBRA	-	#6 Supply Pu	.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec .245 In/Sec .324 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .573 G-s 1.153 G-s 3.265 G-s  (31-Mar-21)  L 1K-20KHz
POH  5SUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH MIH MIA PIA PIH POH  CBRA  MOH	-	#6 Supply Pu	.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec .245 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .573 G-s 1.153 G-s 3.265 G-s  (31-Mar-21)  L 1K-20KHz .268 G-s
POH  5SUPLYP  MOH MIH MIA PIA POH  6SUPLYP  MOH MIH MIA PIA PIH POH  CBRA  MOH MIH	-	#6 Supply Pu	.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp  OVERALL LEVE .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec .245 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .218 G-s .573 G-s 1.153 G-s 3.265 G-s  (31-Mar-21)  L 1K-20KHz .268 G-s .473 G-s
SSUPLYP  MOH MIH MIA PIA PIH POH  6SUPLYP  MOH MIH MIA PIA PIH POH  CBRA  MOH MIH MIA	-	#6 Supply Pu	.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp  OVERALL LEVE .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec .171 In/Sec .245 In/Sec .324 In/Sec .333 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .218 G-s .573 G-s 1.153 G-s 3.265 G-s  (31-Mar-21)  L 1K-20KHz .268 G-s .473 G-s .348 G-s
POH  5SUPLYP  MOH MIH MIA PIA POH  6SUPLYP  MOH MIH MIA PIA PIH POH  CBRA  MOH MIH	-	#6 Supply Pu	.191 In/Sec mp  OVERALL LEVE .049 In/Sec .072 In/Sec .070 In/Sec .211 In/Sec .244 In/Sec .246 In/Sec mp  OVERALL LEVE .054 In/Sec .073 In/Sec .077 In/Sec .171 In/Sec .245 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec .324 In/Sec	1.138 G-s  (31-Mar-21)  L 1K-20KHz .619 G-s .983 G-s .314 G-s 1.238 G-s 1.904 G-s 1.758 G-s  (31-Mar-21)  L 1K-20KHz .270 G-s .278 G-s .218 G-s .218 G-s .573 G-s 1.153 G-s 3.265 G-s  (31-Mar-21)  L 1K-20KHz .268 G-s .473 G-s .348 G-s .568 G-s

CBID		- CASTER BAGHOUSE	ID FAN	(31-Mar-21)
			OVERALL LEVEL	
	MOH		.056 In/Sec	.159 G-s
	MOV		.030 In/Sec	.218 G-s .258 G-s
	MIH		.067 In/Sec	.258 G-s
	MIV MIA		.051 In/Sec	.266 G-S
	FIA		.034 In/Sec .182 In/Sec .138 In/Sec	.201 G-S
	FIH		.138 In/Sec	1.490 G-s
	FIV		.087 In/Sec	1.001 G-s
	FOH		.087 In/Sec .129 In/Sec	.778 G-s
	FOV			.477 G-s
	FOA		.086 In/Sec	.441 G-s
FRAF		- Furnace REVERSE		
	MOIT		OVERALL LEVEL	1K-20KHz
	MOH MIH		.041 In/Sec .039 In/Sec	.112 G-s .434 G-s
	MIA		.026 In/Sec	132 G-s
	FIA		.044 In/Sec	.321 G-s
	FIH		.044 In/Sec .039 In/Sec .029 In/Sec	.561 G-s
	FOH		.029 In/Sec	.253 G-s
EFBHF		- East Furnace Bag	House Fan	(31-Mar-21)
		•	OVERALL LEVEL	
	MOH		.049 In/Sec	.424 G-s
	MIH		.048 In/Sec .030 In/Sec	242 C-0
	MIA		.030 In/Sec	.243 G-s
	FIA		.060 In/Sec	.683 G-s
	FIH FOH		.056 In/Sec	.698 G-s 2.585 G-s
	FOR		.004 III/Sec	2.565 G-S
WFBHF		- WEST Furnace Bag	House Fan	(31-Mar-21)
	мон		OVERALL LEVEL	.723 G-s
	MIH		123 In/Sec	.723 G-S
	MIA		.123 In/Sec .104 In/Sec .117 In/Sec	.453 G-s
	FIA		.117 In/Sec	1.491 G-s
	FIH		.182 In/Sec	1.595 G-s
	FOH		.155 In/Sec	.637 G-s
SCEXFA	N	- SPRAY CHAMBER EX		
			OVERALL LEVEL	1K-20KHz
			1.873 In/Sec 2.061 In/Sec	1.340 G-s .962 G-s
	MIH MIA			.570 G-s
	FIH		.828 In/Sec	1.159 G-s
	FOH		.632 In/Sec	1.159 G-s 1.755 G-s
ENADCO	מעעט	- EAST NARCO Hyd I	DIIMD	/21_Mam_21\
ENARCO	шь	- EAST NANCO HYG I	OVERALL LEVEL	
	МОН		.071 In/Sec	.129 G-s
	MIH			.130 G-s
	PIV		.272 In/Sec	1.410 G-s
NC OCT	I.I.A	- North Caster Osc	rillator	(31-Mar-21)
	MOH		OVERALL LEVEL .595 In/Sec	.162 G-s
	MIH		.454 In/Sec	.263 G-s
	MIA		.346 In/Sec	.702 G-s .157 G-s
	GIA		.249 In/Sec	.157 G-s .683 G-s
	GIH			.683 G-s 1.026 G-s
MC OCI	LLA	- Middle Caster Os		(31-Mar-21) 1K-20KHz
	мон		587 Tn/Sec	36U G-c TV-50VUS
	MIH		.542 In/Sec	.360 G-s .156 G-s
	MIA			.088 G-s
	GIA			.095 G-s

GIH GOH C OCILLA - South Caster	•	.074 G-s	
	Oscillator (3		
SC OCILLA - South Caster	•	1-Mar-21)	
		-	
	OVERALL LEVEL	1K-20KHz	
MOH	.353 In/Sec	.117 G-s	
MIH	.297 In/Sec	.181 G-s	
MIA	.190 In/Sec	.368 G-s	
GIA	.134 In/Sec	.038 G-s	
GIH	.218 In/Sec	1.102 G-s	
GOH	.179 In/Sec	1.270 G-s	

C1

Acc --> In/Sec

As always, it has been a pleasure to serve NUCOR Steel Flowood-Jackson, MS. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

ISO Certified Vibration Analyst, Category III

Kevin W. Morruell



QualiTest. Diagnostics

Cell: 901-486-4565

Email: kwilliam@gohispeed.com