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The following is a summary of findings from the January 2021 quarterly 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.

# Defects

# DC Fan

Overall vibration is much lower after repairs were made to this unit. However, the outboard fan bearing is showing some higher frequency non-synchronous peaks in the spectrum. Peaks appear to be non-synchronous which indicate bearing defects. Balance and alignment are good on this unit. The bearing could have been defective out of the box. No immediate actions are recommended **except for putting a couple of shots of grease in the outboard bearing**, and we will continue to monitor this closely. Rated as a **CLASS I** defect.

## High Pressure Boiler Fan

Data shows a dominant 1 x rpm vibration which is usually indicative of imbalance. Wheel needs to be inspected for build-up and ensure all fasteners are tight. If all checks good, then a trim balance will be necessary. Rated a **CLASS II** defect.

## **Bailing Room Main Filter Fan**

Motor and Fan vibration data still shows higher than normal 1 x fan rpm vibration with the fan having a very high axial vibration at 1 x rpm. There is also a beat frequency between the motor and fan speed. It is recommended to decrease the speed of the fan if possible. This should help with lowering the overall vibration of the unit. The high axial vibration may be due to sheave issue. It is recommended to check sheaves for face run out, and misalignment ASAP. There is still a structural issue and imbalance issue also. Unfortunately, because of the structural issues, this fan does not respond to field balancing. It is recommended (as time allows) to remove fan, steam clean wheel and shaft, and perform an in-depth inspection of the fan and shaft inspecting for cracks and run out at the fan hub. If all looks good, then all trim weights should be removed, and fan should be dynamically balanced with fan sheave on the shaft. Filling the frames with epoxy grout and or concrete will likely help the structural issues. Rated as a **CLASS III** defect.

### Huller Room Drum Filter Scalping Fan

Vibration data indicates imbalance of the fan wheel and possible fit looseness of the motor fits and/or fan hub. Unit will need attention soon. Rated as a **CLASS II** defect for now.

# 1st Cut Shale Fan

Vibration data of the motor and fan shows signs of sheave/belt issue. Sheaves should be checked for misalignment and face run-out as time allows. Ensure belts are good. Rated as a **CLASS II** defect.

### **Inclined Beater Fan (OVERS)**

Vibration is still high especially in the motor. Data suggests structural issues, possible resonance, fan imbalance. For now, inspect structure for cracks, base for soft foot, and ensure all fasteners are tight. Fan wheel is likely out of balance and needs a trim balance. Rated as a **CLASS III** defect.

### Boil Reel Rotex Asp. Fan (On mezzanine w/ Seed Cleaner Fans)

Motor data indicates defects present in the motor bearings. Motor will need attention as scheduling allows. Rated as a **CLASS II** defect.

# #3 Drum Filter Fan

Motor still has dominant vibration at 1 x motor rpm. This may be due to sheave wear/misalignment, loose or flexible motor base, soft foot, loose fasteners. Inspect for these issues soon. There also appears to be evidence of a rotor issue such as loose or broken rotor bars. We will monitor that issue closely. Also, ensure fan bearings have adequate lubrication. Rated as a **CLASS II** defect.

# #3 Drum Filter Scalping Fan

Data suggests fan has imbalance. Inspect fan for build-up as soon as scheduling allows. Rated as a CLASS II defect.

#### South Pellet Cooler Fan

Data of the fan indicates defects within the fan bearings and fan imbalance Bearings should be replaced **SOON**. Ensure fan wheel is clean. A trim balance may be needed after bearing replacement. Rated as a **CLASS III** defect.

#### North Pellet Cooler Fan

*Unit was not in service during this survey; however, if no action have been taken, then the following still applies:* Vibration data shows a possible belt or sheave alignment issue. Ensure belts are in good order and tightened properly and sheaves are properly aligned. Rated as a **CLASS II** defect.

#### South Grinder Mill

Outboard (opposite drive end) end of the mill has a high 1 x rpm vibration. This appears to be caused by some imbalance. For now, ensure hammers aren't unevenly worn and replace if need be. Rated as a **CLASS II** defect.

Abbreviated Last Measurement Summary \*\*\*\*\*\*\*\*\*\* Database: cotton oil.rbm Station: SOUTHERN COTTON OIL Report Date: 13-Jan-21 14:46 OVERALL LEVEL HFD / VHFD MEASUREMENT POINT \_\_\_\_\_ DCFAN - DC FAN (13-Jan-21) OVERALL LEVEL 1 - 20 KHz 

 .112 In/Sec
 .470 G-s

 .103 In/Sec
 .216 G-s

 .166 In/Sec
 .094 G-s

 .114 In/Sec
 .292 G-s

 .114 In/Sec
 .550 G-s

MOH MIH MIA EIH EOH BOILFAN - BOILER FAN (13-0an --, OVERALL LEVEL 1 - 20 KHz ^52 Tn/Sec .263 G-s .053 In/Sec .059 In/Sec .066 In/Sec .368 G-s MIH .567 G-s MIA HPBOILFAN - HIGH PRESSURE BOILER FAN (13-Jan-21) OVERALL LEVEL 1 - 20 KHz .411 In/Sec .341 In/Sec .271 In/Sec .313 G-s MOH MIH .447 G-s MIA .191 G-s BRDFMNFAN - BAILNG ROOM DRUM FLTR M FAN (13-Jan-21) OVERALL LEVEL 1 - 20 KHz 1.131 In/Sec .139 G-s MOH 

 1.131
 In/Sec
 .139
 G-s

 .950
 In/Sec
 .567
 G-s

 .213
 In/Sec
 .129
 G-s

 .404
 In/Sec
 .925
 G-s

 .909
 In/Sec
 .382
 G-s

 .453
 In/Sec
 .968
 G-s

 .492
 In/Sec
 1.316
 G-s

 .204
 In/Sec
 .1426
 G-s

 .859
 In/Sec
 .146
 G-s

MIH MIA EIH EIA EOH EIV EOV EI3 BRDFSFAN - BR DRUM FILTER SCALPING FAN (13-Jan-21) OVERALL LEVEL 1 - 20 KHz .117 In/Sec .233 G-s .117 In/Sec .206 G-s MOH MIH

HRDFSFAN	_	HR	DRUM	FILTER	SCALPIN	G FAN	(13-Jan	-21)
					OVERA	LL LEVEL	1	- 20 KHz
MOH					.460	In/Sec In/Sec		342 G-s
MIH					.254	In/Sec	•	590 G-s
1DMFLTRFAN	-	#1	DRUM	FILTER	MAIN FAI	N	(13-Jan	-21)
								- 20 KHz
MOH						In/Sec		124 G-s
MIH					.253	In/Sec In/Sec	•	188 G-s
MIA					.201	In/Sec In/Sec	•	145 G-s
EIH								
EIA EOH					.300	In/Sec In/Sec	•	089 G-s 515 G-s
EOII					. 552	III/ Sec	•	515 G-S
1DRMFSFAN	-	#1	DRUM	FILTER				
					OVERA	LL LEVEL	1	- 20 KHz 077 G-s
MOH					.152	In/Sec In/Sec	•	077 G-s
MIH					.112	In/Sec	•	232 G-S
8-10/17-19	_	8-3	10/17-	-19 GIN	FAN		(13-Jan	-21)
0 -0, 0		• •	/		OVERA	LL LEVEL		- 20 KHz
MOH						In/Sec		
MIH					118	Tn/Sec		317 G-s
MIA					.134	In/Sec		486 G-s
EIH								
EIA					.203	In/Sec In/Sec In/Sec	•	306 G-s
EOH					.147	In/Sec	•	973 G-s
11-16 FAN	_	11.	-16 C	IN FAN			(13-Jan	-21)
II IO FAN			10 6.		OVERA	LL LEVEL	-	- 20 KHz
MOH					.091	In/Sec		252 G-s
MIH					.115	In/Sec		378 G-s
MIA					.101	In/Sec In/Sec		209 G-s
EIH					210	In/Sec		571 G-s
EIA					.171	In/Sec		126 G-s
EIA EOH					.171			126 G-s
		#2	DRUM	FILTER	.171 .155	In/Sec In/Sec	•	126 G-s 998 G-s
EOH		#2	DRUM	FILTER	.171 .155 MAIN FAI	In/Sec In/Sec	(13-Jan	126 G-s 998 G-s -21)
EOH	-	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAI .082	In/Sec In/Sec N LL LEVEL In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s
EOH 2DRMFLTRFN	-	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAI .082 .072	In/Sec In/Sec N LL LEVEL In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s
EOH 2DRMFLTRFN MOH MIH MIA	_	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAI .082 .072 .061	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH	_	#2	DRUM	FILTER	.171 .155 MAIN FAN OVERAN .082 .072 .061 .209	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s
EOH 2DRMFLTRFN MOH MIH MIA	_	#2	DRUM	FILTER	.171 .155 MAIN FAN OVERAN .082 .072 .061 .209	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH	-				.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec G FAN	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21)
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN	-				.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec G FAN LL LEVEL	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH	_				.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec G FAN LL LEVEL In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s
EOH 2DRMFLTRFN MOH MIH EIH EOH 2DFSFAN MOH MIH	-				.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec G FAN LL LEVEL In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH	-				.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec G FAN LL LEVEL In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s
EOH 2DRMFLTRFN MOH MIH EIH EOH 2DFSFAN MOH MIH	_	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s 470 G-s -21)
EOH 2DRMFLTRFN MOH MIH EIH EOH 2DFSFAN MOH MIH MIA 1STCUTFAN	-	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s 470 G-s -21) - 20 KHz
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH 1STCUTFAN MOH	-	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec LL LEVEL In/Sec	(13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s 470 G-s -21) - 20 KHz 205 G-s
EOH 2DRMFLTRFN MOH MIH EIH EOH 2DFSFAN MOH MIH 1STCUTFAN MOH MIH	-	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s 470 G-s -21) - 20 KHz 205 G-s 229 G-s
EOH 2DRMFLTRFN MOH MIH EIH EOH 2DFSFAN MOH MIH MIA MOH MIH MIA	-	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec LL LEVEL In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s 470 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s
EOH 2DRMFLTRFN MOH MIH EIH 2DFSFAN MOH MIH MIA 1STCUTFAN MOH MIH MIA EIH	-	#2	DRUM	FILTER	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s 470 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s
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EOH 2DRMFLTRFN MOH MIH EIH 2DFSFAN MOH MIH MIA 1STCUTFAN MOH MIH MIA EIH	_	#2 1S <sup>:</sup>	DRUM F CUT	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 838 G-s 851 G-s 470 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s -21)
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EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH MIH MIA EIH EIA BBASPFAN MOH MIH	_	#2 1S <sup>:</sup>	DRUM F CUT	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ .200 .145	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s -21) - 20 KHz 041 G-s 231 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH MIH MIA ISTCUTFAN MOH MIH MIA EIH EIA BBASPFAN MOH		#2 1S <sup>:</sup>	DRUM F CUT	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ OVERAJ .200 .145 .164	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s 212 G-s 212 G-s 212 G-s 212 G-s 212 G-s 213 G-s 213 G-s 213 G-s 213 G-s 214 G-s 217 G-s
EOH 2DRMFLTRFN MOH MIH EIH EOH 2DFSFAN MOH MIH MIA EIH EIA BBASPFAN MOH MIH MIA		#2 1S <sup>:</sup>	DRUM F CUT	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ OVERAJ .200 .145 .164 .361	In/Sec In/Sec N LL LEVEL In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s -21) - 20 KHz 041 G-s 231 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH MIH MIA 1STCUTFAN MOH MIH MIA EIH EIA BBASPFAN MOH MIH MIA		#2 15: BUI	DRUM F CUT RR BEI	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ OVERAJ .200 .145 .164 .361 .235	In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s 212 G-s -21) - 20 KHz 231 G-s 231 G-s 147 G-s 452 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH 2DFSFAN MOH MIH MIA EIH BBASPFAN MOH MIH MIA EIH		#2 15: BUI	DRUM F CUT RR BEI	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ OVERAJ .200 .145 .164 .361 .235 R FAN	In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH MIH MIA 1STCUTFAN MOH MIH MIA EIH EIA BBASPFAN MOH MIH MIA EIH EIA	_	#2 15: BUI	DRUM F CUT RR BEI	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ .200 .145 .164 .361 .235 R FAN OVERAJ	In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1 (13-Jan 1 (13-Jan 1 1 (13-Jan 1 1 1 1 1 1 1 1 1 1 1 1 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s 213 G-s
EOH 2DRMFLTRFN MOH MIH MIA EIH EOH 2DFSFAN MOH MIH MIA 1STCUTFAN MOH MIH MIA EIH EIA BBASPFAN MOH MIH MIA	_	#2 15: BUI	DRUM F CUT RR BEI	FILTER SHALE	.171 .155 MAIN FAI OVERAJ .082 .072 .061 .209 .184 SCALPING OVERAJ .188 .143 .113 FAN OVERAJ .314 .383 .229 .333 .301 RATION FZ .200 .145 .164 .361 .235 R FAN OVERAJ	In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec In/Sec	(13-Jan 1 (13-Jan 1 (13-Jan 1 (13-Jan 1 1 (13-Jan 1 1 1 1 1 1 1 1 1 1 1 1 1	126 G-s 998 G-s -21) - 20 KHz 123 G-s 686 G-s 152 G-s 340 G-s 251 G-s -21) - 20 KHz 205 G-s 229 G-s 120 G-s 239 G-s 212 G-s

MIH		000 0
	.637 In/Sec	
MIA	.229 In/Sec	
EIH	.636 In/Sec	.537 G-s
EOH	.546 In/Sec	.722 G-s
MOTESFAN - MOTES FAN	(13	-Jan-21)
	OVERALL LEVEL	•
MOH	.167 In/Sec	.530 G-s
MIH	.138 In/Sec	
MIA	171 In/Sec	.213 G-s
EIH	.171 In/Sec .302 In/Sec	.731 G-s
EOH	.150 In/Sec	
Hom	.150 11/560	.401 6 5
#1SEEDCLNF - #1 SEED CLEANER	FAN (13	-Jan-21)
	OVERALL LEVEL	1 - 20 KHz
MOH	.145 In/Sec	.418 G-s
MIH	.116 In/Sec	.095 G-s
MIA	.116 In/Sec .245 In/Sec	.117 G-s
EIH	.262 In/Sec	
EIA	395 In/Sec	.174 G-s
EOH	.395 In/Sec .269 In/Sec	.635 G-s
#2SEEDCLNF - #2 SEED CLEANER	FAN (13	-Jan-21)
	OVERALL LEVEL	1 - 20 KHz
МОН	.146 In/Sec	
MIH	.139 In/Sec	.212 G-s
MIA	.227 In/Sec	.324 G-s
EIH	.227 In/Sec .165 In/Sec	1.359 G-s
EIA	.309 In/Sec	
EOH	.172 In/Sec	.445 G-s
2011	11/2 11,000	
#3SEEDCLNF - #3 SEED CLEANER	FAN (13	-Jan-21)
	OVERALL LEVEL	
МОН	.227 In/Sec	.762 G-s
MIH	.133 In/Sec	.180 G-s
MIA	.283 In/Sec	
EIH	.263 In/Sec	.326 G-s
EIA	.174 In/Sec	.215 G-s
EOH	.254 In/Sec	.481 G-s
EOH #4SEEDCLNF - #4 SEED CLEANER	FAN (13	-Jan-21)
#4SEEDCLNF - #4 SEED CLEANER	FAN (13 OVERALL LEVEL	-Jan-21) 1 - 20 KHz
#4SEEDCLNF - #4 SEED CLEANER MOH	FAN (13 OVERALL LEVEL .152 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21)
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13 OVERALL LEVEL .159 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13 OVERALL LEVEL .159 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13 OVERALL LEVEL .159 In/Sec .216 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13 OVERALL LEVEL .159 In/Sec .216 In/Sec .137 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13 OVERALL LEVEL .159 In/Sec .216 In/Sec .137 In/Sec .150 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13 OVERALL LEVEL .159 In/Sec .216 In/Sec .137 In/Sec .150 In/Sec .446 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec EX ASP. FAN (13 OVERALL LEVEL .159 In/Sec .216 In/Sec .137 In/Sec .150 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec .154 In/Sec .216 In/Sec .216 In/Sec .137 In/Sec .150 In/Sec .446 In/Sec .172 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA	FAN    (13      OVERALL LEVEL    .152 In/Sec      .143 In/Sec    .163 In/Sec      .163 In/Sec    .168 In/Sec      .126 In/Sec    .126 In/Sec      .154 In/Sec    .154 In/Sec      .154 In/Sec    .154 In/Sec      .154 In/Sec    .159 In/Sec      .159 In/Sec    .137 In/Sec      .150 In/Sec    .150 In/Sec      .150 In/Sec    .172 In/Sec      MAIN FAN    (13      OVERALL LEVEL    .137	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21)
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH	FAN    (13      OVERALL LEVEL    .152 In/Sec      .143 In/Sec    .163 In/Sec      .163 In/Sec    .168 In/Sec      .126 In/Sec    .126 In/Sec      .154 In/Sec    .154 In/Sec      .154 In/Sec    .154 In/Sec      .154 In/Sec    .159 In/Sec      .159 In/Sec    .137 In/Sec      .150 In/Sec    .150 In/Sec      .150 In/Sec    .172 In/Sec      MAIN FAN    (13      OVERALL LEVEL    .137	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21)
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec .154 In/Sec .216 In/Sec .216 In/Sec .137 In/Sec .150 In/Sec .150 In/Sec .172 In/Sec MAIN FAN (13	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH	FAN    (13      OVERALL LEVEL    .152 In/Sec      .143 In/Sec    .163 In/Sec      .163 In/Sec    .163 In/Sec      .163 In/Sec    .126 In/Sec      .126 In/Sec    .154 In/Sec      .159 In/Sec    .216 In/Sec      .159 In/Sec    .137 In/Sec      .150 In/Sec    .150 In/Sec      .150 In/Sec    .172 In/Sec      MAIN FAN    (13      OVERALL LEVEL    .213 In/Sec      .200 In/Sec    .230 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH MIH	FAN    (13      OVERALL LEVEL    .152 In/Sec      .143 In/Sec    .163 In/Sec      .163 In/Sec    .163 In/Sec      .163 In/Sec    .126 In/Sec      .126 In/Sec    .154 In/Sec      .159 In/Sec    .216 In/Sec      .159 In/Sec    .137 In/Sec      .150 In/Sec    .150 In/Sec      .150 In/Sec    .172 In/Sec      MAIN FAN    (13      OVERALL LEVEL    .213 In/Sec      .200 In/Sec    .230 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH MIH MIA	FAN    (13      OVERALL LEVEL    .152 In/Sec      .143 In/Sec    .163 In/Sec      .163 In/Sec    .163 In/Sec      .163 In/Sec    .126 In/Sec      .126 In/Sec    .154 In/Sec      .159 In/Sec    .216 In/Sec      .159 In/Sec    .137 In/Sec      .150 In/Sec    .150 In/Sec      .150 In/Sec    .172 In/Sec      MAIN FAN    (13      OVERALL LEVEL    .213 In/Sec      .200 In/Sec    .230 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s .090 G-s 1.984 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH MIH MIA EIH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec .154 In/Sec .216 In/Sec .216 In/Sec .150 In/Sec .150 In/Sec .172 In/Sec .172 In/Sec .213 In/Sec .230 In/Sec .214 In/Sec .214 In/Sec .325 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s .090 G-s 1.984 G-s .494 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH MIH MIA EIH EIA	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .126 In/Sec .154 In/Sec .154 In/Sec .216 In/Sec .216 In/Sec .150 In/Sec .150 In/Sec .172 In/Sec MAIN FAN (13 OVERALL LEVEL .213 In/Sec .230 In/Sec .214 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s .090 G-s 1.984 G-s .494 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH MIH MIA EIH EIA	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .154 In/Sec .154 In/Sec .216 In/Sec .216 In/Sec .150 In/Sec .150 In/Sec .172 In/Sec .172 In/Sec .213 In/Sec .230 In/Sec .214 In/Sec .214 In/Sec .218 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s .090 G-s 1.984 G-s .494 G-s 1.811 G-s
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH MIH MIA EIH EIA EOH	FAN (13 OVERALL LEVEL .152 In/Sec .143 In/Sec .163 In/Sec .168 In/Sec .126 In/Sec .126 In/Sec .154 In/Sec .216 In/Sec .216 In/Sec .216 In/Sec .137 In/Sec .150 In/Sec .172 In/Sec .172 In/Sec .213 In/Sec .210 In/Sec .214 In/Sec .214 In/Sec .214 In/Sec .218 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s .090 G-s 1.984 G-s .494 G-s 1.811 G-s -Jan-21)
#4SEEDCLNF - #4 SEED CLEANER MOH MIH MIA EIH EIA EOH BR&RTXASPF - BOIL REEL & ROT MOH MIH MIA EIH EIA EOH #3DFLTMFAN - #3 DRUM FILTER MOH MIH MIA EIH EIA EOH	FAN    (13      OVERALL LEVEL    .152 In/Sec      .143 In/Sec    .163 In/Sec      .163 In/Sec    .168 In/Sec      .163 In/Sec    .126 In/Sec      .154 In/Sec    .154 In/Sec      .154 In/Sec    .154 In/Sec      .154 In/Sec    .154 In/Sec      .154 In/Sec    .216 In/Sec      .159 In/Sec    .137 In/Sec      .150 In/Sec    .150 In/Sec      .150 In/Sec    .172 In/Sec      MAIN FAN    (13      OVERALL LEVEL    .213 In/Sec      .230 In/Sec    .120 In/Sec      .120 In/Sec    .214 In/Sec      .325 In/Sec    .218 In/Sec      .218 In/Sec    .218 In/Sec	-Jan-21) 1 - 20 KHz .129 G-s .210 G-s .151 G-s 1.161 G-s .467 G-s .650 G-s -Jan-21) 1 - 20 KHz 1.469 G-s .731 G-s .539 G-s .414 G-s .304 G-s .437 G-s -Jan-21) 1 - 20 KHz .806 G-s .660 G-s .090 G-s 1.984 G-s .494 G-s 1.811 G-s -Jan-21)

MIH MIA			
		.323 In/Sec	.342 G-s
MIA		.323 In/Sec .161 In/Sec	.123 G-s
		.101 11,000	
1 TOTNERN	- 1-7 GIN FAN	,	12 Tam 21)
I-/GINFAN	- I-/ GIN FAN		13-Jan-21)
		OVERALL LEVEL	
MOH		.117 In/Sec	
MIH		.135 In/Sec	.297 G-s
MIA		.110 In/Sec	.119 G-s
EIH		.183 In/Sec	.187 G-s
EIA		.247 In/Sec	.175 G-s
EOH			.298 G-s
		,	
20-26CNEN	- 20-26 GIN FAN	(	13-Jan-21)
20-20GNFN	- 20-20 GIN FAN		•
		OVERALL LEVEL	
EIH		.216 In/Sec	
EIA		.239 In/Sec	
EOH		.187 In/Sec	.313 G-s
PDFMNFAN	- PELLETING DRUM	MAIN FAN (	13-Jan-21)
		OVERALL LEVEL	1 - 20 KHz
MOH		.084 In/Sec	
MIH		.079 In/Sec	
MIA		.071 In/Sec	
EIH			
		.139 In/Sec	1.313 G-s
EIA		.175 In/Sec	
EOH		.096 In/Sec	.486 G-s
PDFSCFAN	- PELLETING DRUM	SCALPING FAN (	13-Jan-21)
		OVERALL LEVEL	1 - 20 KHz
MOH		.076 In/Sec	.419 G-s
MIH			.804 G-s
SDCOOT FAN	- SOUTH PELLET CO		13 - 7 - 7 - 21
SPCOULFAN	- SOOTH PELLET CO		
		OVERALL LEVEL	
МОН		.336 In/Sec	.235 G-s
МОН МІН		.336 In/Sec .330 In/Sec	.235 G-s .371 G-s
МОН		.336 In/Sec .330 In/Sec	.235 G-s .371 G-s
МОН МІН		.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s
MOH MIH MIA		.336 In/Sec .330 In/Sec .268 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s
MOH MIH MIA EIH		.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s
MOH MIH MIA EIH EIA		.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s
MOH MIH MIA EIH EIA EOH		.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s
MOH MIH MIA EIH EIA EOH		.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21)
MOH MIH MIA EIH EIA EOH SGRNDMILL	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH	- SOUTH GRINDER 1	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH	- SOUTH GRINDER 1	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .275 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .275 In/Sec .384 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA	- SOUTH GRINDER 1	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .384 In/Sec .245 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA EIH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .384 In/Sec .245 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA EIH EIA	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .384 In/Sec .245 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA EIH EIA EOH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .384 In/Sec .245 In/Sec .743 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA EIH EIA EOH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .275 In/Sec .384 In/Sec .245 In/Sec .743 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21)
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA EIH EIA EOH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .275 In/Sec .384 In/Sec .245 In/Sec .743 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA EIH EIA EOH MTSCONDDRV MOH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .275 In/Sec .245 In/Sec .743 In/Sec NER DRIVE ( OVERALL LEVEL .087 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s 1.573 G-s 1.680 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .245 In/Sec .743 In/Sec NER DRIVE ( OVERALL LEVEL .087 In/Sec .104 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH MIA EIH EIA EOH MTSCONDDRV MOH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .087 In/Sec .104 In/Sec .085 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .144 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .104 In/Sec .085 In/Sec .134 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .144 G-s .151 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH MIA	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .087 In/Sec .104 In/Sec .085 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .144 G-s .151 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH MIA GIH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec .532 In/Sec .254 In/Sec .254 In/Sec .254 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .104 In/Sec .104 In/Sec .134 In/Sec .155 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .151 G-s .094 G-s .030 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH MIA GIH GIV GIA	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec .532 In/Sec .254 In/Sec .254 In/Sec .254 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .104 In/Sec .104 In/Sec .134 In/Sec .155 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .151 G-s .094 G-s .030 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH MIA GIH GIV GIA GOH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .275 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .104 In/Sec .085 In/Sec .134 In/Sec .094 In/Sec .155 In/Sec .159 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .151 G-s .094 G-s .030 G-s .154 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH MIA GIH GIV GIA GOH GOV	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .254 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .104 In/Sec .104 In/Sec .134 In/Sec .134 In/Sec .155 In/Sec .155 In/Sec .125 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .151 G-s .094 G-s .030 G-s .154 G-s .092 G-s
MOH MIH MIA EIH EIA EOH SGRNDMILL MOH MIH EIA EOH MTSCONDDRV MOH MIH MIA GIH GIV GIA GOH	- SOUTH GRINDER N	.336 In/Sec .330 In/Sec .268 In/Sec .426 In/Sec .534 In/Sec .532 In/Sec MILL ( OVERALL LEVEL .267 In/Sec .254 In/Sec .275 In/Sec .245 In/Sec .743 In/Sec .743 In/Sec .104 In/Sec .085 In/Sec .134 In/Sec .094 In/Sec .155 In/Sec .159 In/Sec	.235 G-s .371 G-s .187 G-s 2.158 G-s 1.786 G-s 4.759 G-s 13-Jan-21) 1 - 20 KHz .260 G-s .403 G-s .305 G-s 1.573 G-s 1.080 G-s 2.039 G-s 13-Jan-21) 1 - 20 KHz .403 G-s .234 G-s .151 G-s .094 G-s .030 G-s .154 G-s .092 G-s

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

As always, it has been a pleasure to serve ADM Southern Cotton Oil. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

Kerin W. Maxuell

ISO Certified Vibration Analyst, Category III



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