

Performed By: **Niño C. Diño**
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Summary of Findings

Group: **DC Wet Scrubbers/Acid Demisters**

EQUIPMENT	DATE TESTED	CRITICALITY	CRITICALITY	FINDINGS	RECOMMENDATION/ ACTION PLAN
Acid Demister # 13 - Dreyers	8/27/2025	WARNING	WARNING	<ul style="list-style-type: none">Blower Unbalance and Possible Foundation Looseness/Weakness (not Corrected)Misalignment Issue (Corrected)	<ul style="list-style-type: none">Conduct Inspection and Cleaning of Blower Impeller, check impeller condition and rectify as necessary. If Vibration is still high after Cleaning, consider balancing of impeller.Conduct Retightening of Holding Bolts and include inspection of Motor Mounting Frame/Structure, rectify as necessary.

Acid Demister # 13 - Dreyers

ALERT LEVEL: WARNING

MAINTENANCE REQUEST/NOTIFICATION: 000000000

DATE TESTED: 8/27/2025

Findings:

- High 1x Vibration Peaks Equivalent to Blower Speed observed on Radial Velocity Spectrums of both Motor and Blower indicating Blower Unbalance and Possible Foundation Looseness/Weakness.

Recommendation:

- Conduct Inspection and Cleaning of Blower Impeller, check impeller condition and rectify as necessary. If Vibration is still high after Cleaning, consider balancing of impeller.
- Conduct Retightening of Holding Bolts and include inspection of Motor Mounting Frame/Structure, rectify as necessary.

Machine name	POINT name	Units	VA AMPLITUDE				
			2024	2025			
			17-Dec	21-Mar	Retest 19-Jul	8-Aug	Retest 27-Aug
Blower	BLR 4AV	mm/s	7.976	7.338	6.459	5.953	5.91
Blower	BLR 4VV	mm/s	3.669	4.581	3.543	4.018	3.716
Blower	BLR 4HV	mm/s	13.134	14.485	14.728	14.325	13.902
Blower	BLR 4HE	gE	4.704	6.086	9.767	7.029	4.297
Blower	BLR 3AV	mm/s	9.291	4.692	8.821	5.931	5.018
Blower	BLR 3VV	mm/s	3.869	3.916	3.356	3.717	3.503
Blower	BLR 3HV	mm/s	20.657	21.941	21.725	21.181	20.992

Blower	BLR 3HE	gE	6.604	7.709	9.199	5.276	7.838
Motor	MTR 2AV	mm/s		7.27	4.767	7.99	7.958
Motor	MTR 2VV	mm/s	12.891	17.243	9.312	17.758	13.373
Motor	MTR 2HV	mm/s	21.132	20.067	19.019	18.591	21.85
Motor	MTR 2HE	gE	0.983	1.948	1.5	1.485	1.406
Motor	MTR 1AV	mm/s	8.999	6.279	4.519	6.871	6.78
Motor	MTR 1VV	mm/s	54.8	64.104	49.348	62.178	48.915
Motor	MTR 1HV	mm/s	23.605	18.508	21.002	24.586	23.875
Motor	MTR 1HE	gE	1.053	1.676	1.273	1.273	1.263

Equipment Temperature:

- Equipment is at NORMAL Operating Temperature at the Time of Testing.