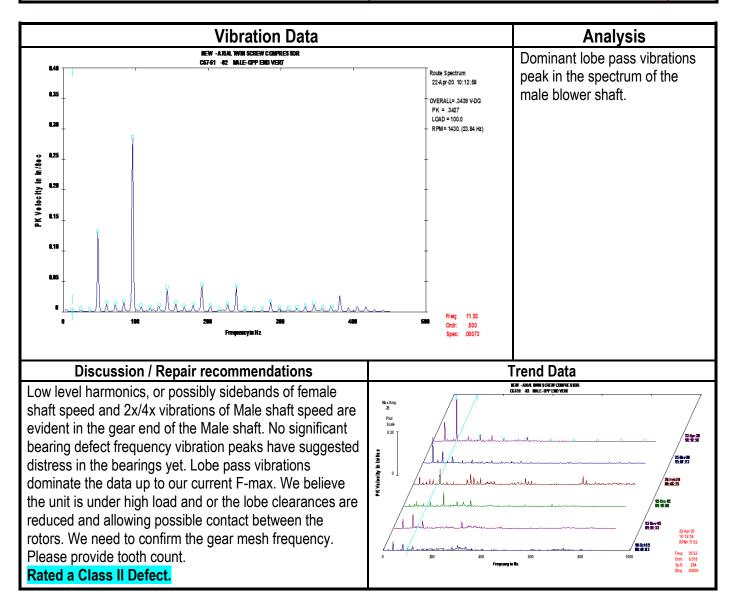


| Client    | Penn A Kem                   | Survey Date | 4-22-2020 |
|-----------|------------------------------|-------------|-----------|
| Location  | Memphis, TN                  | Report Date | 4-23-2020 |
| Machine   | C56-51 Twin Screw Compressor | QMS No.     | 142350    |
| Component | Lobe Pass                    | Analyst     | DWS       |

| Defect Rating for this machine  | Class II  |  |  |  |
|---|---|--|--|--|
| Defect Rating System  |   |  |  |  |
| <u>Class I:</u> Defect is present, but effect on reliability is not clear; no immediate action is required.<br>Continue normal monitoring.                      | <u>Class III:</u> Defect (s) present that may cause failure in short term (less than 2 mos.). Should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.                      |  |  |  |
| <b><u>Class II:</u></b> Defect (s) present that may cause problem in long term (2-6 mos.).<br>Repair during normal maintenance scheduling. Continue to monitor. | Class IV: Defect (s) present that makes continued reliability unpredictable,<br>and possibility of secondary damage is high. <i>Repairs should be made</i><br>ASAP. An unscheduled shutdown should be considered for repairs. |  |  |  |





| Client    | Penn A Kem                      | Survey Date | 4-22-2020 |
|-----------|---------------------------------|-------------|-----------|
| Location  | Memphis, TN                     | Report Date | 4-23-2020 |
| Machine   | P4C-102A Boiler Feed Water Pump | QMS No.     | 142350    |
| Component | Bearings                        | Analyst     | DWS       |

| Defect Rating for this machine  | Class II  |  |  |  |
|---|---|--|--|--|
| Defect Rating System  |   |  |  |  |
| <u>Class I:</u> Defect is present, but effect on reliability is not clear; no immediate action is required.<br>Continue normal monitoring.                      | Class III: Defect (s) present that may cause failure in short term (less than 2 mos.). Should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.                             |  |  |  |
| <b><u>Class II:</u></b> Defect (s) present that may cause problem in long term (2-6 mos.).<br>Repair during normal maintenance scheduling. Continue to monitor. | Class IV: Defect (s) present that makes continued reliability unpredictable,<br>and possibility of secondary damage is high. <i>Repairs should be made</i><br>ASAP. An unscheduled shutdown should be considered for repairs. |  |  |  |

