

Document Title :

## BOILER FAN CHECK AND INSPECTION

Form Number : UGP-FO-MN-105

Revision : 00

Issued Date : 1 May 2021

KKS. TAG NO. :  
 MANUFACTURER : VENTAPP GmbH  
 TYPE & SIZE : E 1250/160-63 M-K GR360  
 CONTROL :  
 SERIAL No. : 52360-02-19.04.1 TH-449 UGP  
 MOTOR :  
 COUPLING TYPE : SIZE

MACHINE : Recirculation Gas Fan 2

LOCATION : Boiler Air Fan

CAPACITY :

Impeller side 56 g

BEARING No. : 31 T 80 LE-3R - 52360.03.01

V = 189460  $m^3/h$   $\Delta p$  375 daPan = 1450/ = 49Hz  $t_e$  = 195 °CNmax = 1490  $min^{-1}$   $t_{max}$  = 230°C

LUBRICANT : Grease No. 3 28 g

PM FREQUENCY : Monthly

Pw = 238 kW

Reference : Vibration result is in accordance with ISO 10816 Part 3 International standard

| DATE       | Check Bearing Lubricant Level |     | Check Bearing Leakage |     | Vibration Max. = _____ mm./s. |      |      |      |      |      | Check Bearing Abnormal Noise |     | Check Bearing Temperature |      | Check Cooling Bearing Housing | Cck coupling | Check Looseness Foundation | Inspected By  | Approved By | Remarks  |     |
|------------|-------------------------------|-----|-----------------------|-----|-------------------------------|------|------|------|------|------|------------------------------|-----|---------------------------|------|-------------------------------|--------------|----------------------------|---|-------------|--|-----|
|            | DE                            | NDE | DE                    | NDE | DE                            |      |      | NDE  |      |      | DE                           | NDE | Max : °C                  | DE   |                               |              |                            |   |             |  | NDE |
|            |                               |     |                       |     | H                             | V    | A    | H    | V    | A    |                              |     |                           |      |                               |              |                            |   |             |  |     |
| 12/1/66    | -                             | -   | /                     | /   | 3.32                          | 3.49 | 0.93 | 2.71 | 2.79 | 2.39 | /                            | /   | 51.8                      | 39.8 | -                             | /            | /                          | <div></div>   | <div></div> | Welded impeller Balance.<br>Change motor's bearings.<br>Modify manholes RGF gas duct |     |
| 11-22/2/66 | -                             | -   | ✓                     | ✓   | -                             | -    | -    | -    | -    | -    | -                            | -   | -                         | -    | -                             | ✓            | ✓                          |   |             |  |     |
| 23/3/66    | -                             | -   | /                     | /   | 1.05                          | 2.31 | 1.21 | 2.41 | 2.53 | 0.83 | /                            | /   | 54.0                      | 38.0 | -                             | /            | /                          |   |             |  |     |
| 20/4/66    | -                             | -   | /                     | /   | 1.81                          | 4.25 | 1.29 | 2.92 | 1.45 | 1.23 | /                            | /   | 54.0                      | 45.8 | -                             | /            | /                          |   |             |  |     |
| 10/5/66    | -                             | -   | ✓                     | ✓   | 1.11                          | 0.71 | 1.11 | 1.11 | 0.65 | 1.47 | ✓                            | ✓   | 51.0                      | 40.0 | -                             | /            | /                          |   |             |  |     |
| 11/6/66    | -                             | -   | ✓                     | ✓   | 2.1                           | 0.73 | 1.27 | 1.97 | 1.07 | 0.95 | ✓                            | ✓   | 51                        | 46   | -                             | ✓            | /                          |   |             |  |     |
| 10/7/66    | -                             | -   | /                     | ✓   | 2.05                          | 2.2  | 1.4  | 1.65 | 1.57 | 1.15 | ✓                            | ✓   | 52                        | 43   | -                             | /            | /                          |   |             |  |     |
| 20/8/66    | -                             | -   | /                     | ✓   | 1.09                          | 1.41 | 1.00 | 1    | 1.67 | 1.00 | ✓                            | ✓   | 46.2                      | 40.5 | -                             | /            | ✓                          |   |             |  |     |
| 22/9/66    | -                             | -   | /                     | ✓   | 1.0                           | 1.5  | 1.05 | 1.45 | 1.09 | 0.99 | ✓                            | ✓   | -                         | -    | -                             | /            | ✓                          |   |             |  |     |
| 00/10/66   | -                             | -   | /                     | ✓   | 2.03                          | 2.05 | 1.2  | 1.45 | 1.15 | 0.9  | ✓                            | ✓   | 51                        | 41   | -                             | /            | x                          |   |             |  |     |
| 24/11/66   | -                             | -   | /                     | ✓   | 2.95                          | 2.77 | 1.19 | 2.20 | 4.10 | 1.01 | ✓                            | /   | 40                        | 47.3 | -                             | /            | ✓                          | repaired the thread of all stud bolts,<br>changed new stud bolts. |             |  |     |
| 25/12/66   | -                             | -   | /                     | ✓   | 1.40                          | 1.01 | 1.15 | 1.11 | 2.07 | 1.11 | ✓                            | ✓   | 42.5                      | 40.1 | -                             | /            | /                          |   |             |  |     |

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√ = ปกติ X = ผิดปกติ