## **CALAMBA ALLIED INDUSTRIAL CORPORATION**

MOTOR TEST REPORT

|                        |  |                  |          | _                             |                                       |                                      |                |         |            |               |                    |                             |         |                          |                |  |
|------------------------|--|------------------|----------|-------------------------------|---------------------------------------|--------------------------------------|----------------|---------|------------|---------------|--------------------|-----------------------------|---------|--------------------------|----------------|--|
|                        | ID/NAME :<br>D: 17804                            | : ALIndasd       |          |                               |                                       |                                      |                |         |            |               |                    |                             |         |                          |                |  |
| I.P. 5 K.W. N/A AMP: 2 |  |                  |          | RPM: 150                      | 0 VOI                                 | _TS: 220                             | 20 PHASE       |         | SE: 3      |               |                    | SR#                         |         |                          |                |  |
| ΔΡ                     | FFORF F  | RECONDI          | TION     |                               |                                       |                                      | DATE: 2021-02- | 02      |            |               |                    |                             |         |                          |                |  |
| A1.                    | WINDING RESISTANCE TEST                          |                  |          |                               | INSULA                                | INSULATION RESISTANCE TEST (MEGA-OHN |                |         |            |               |                    | TESTING W/O                 |         | TESTING WITH             | H LOAD         |  |
|                        | (OHMS)   |                  | TIME     |                               |                                       | T-G @500V                            | ,              | T-G @10 | T-G @1000V |               | T-G @2000V         |                             | (AMPS.) | (AMPS.)                  | (AMPS.)        |  |
|                        | T1-T2/Pri  | T2/Pri 0         |          | 30 SECONDS                    |                                       |                                      |                |         |            |               |                    |                             |         | L1                       |                |  |
|                        | T1-T3/Sec  | 0                |          | 1 MINUTE                      |                                       | 0 M ohm                              |                | 0 M ohm | 0 M ohm    |               | 1                  |                             |         | L2                       |                |  |
|                        | T2-T3  | 0                |          | 10 MINUTES Polarization Index |                                       |                                      |                |         |            |               | +                  |                             |         | L3                       |                |  |
|                        | REMARKS FAILED                                   |                  | WINDING  |                               |                                       |                                      | C°             | ABM. TE | MP.        | C°            |                    | L4<br>L5                    |         | L5                       |                |  |
|                        |  |                  | REMARK   | REMARKS:                      |                                       | FAILED                               |                |         |            |               |                    | L6                          |         | L6                       |                |  |
| A2.                    | HIG  |                  | `-       | T (MICRO-AMPS)                |                                       |                                      |                |         |            | _             |                    | W/O LOAD (AMPS.)            |         | ·                        |                |  |
|                        |  | T-G@500V         | T-G@1000 | T-G@1000V                     |                                       | T-G@1500V                            | T-G@2000V      |         |            |               | Pri. (Volts)       |                             | Volts)  | Pri. (Amps)              | Sec<br>(Amps.) |  |
|                        | T1   |                  |          |                               |                                       |                                      |                | L1      |            |               |                    |                             |         |                          |                |  |
|                        | T2<br>T3   |                  |          |                               |                                       |                                      |                | L2      |            | 4             |                    |                             |         |                          |                |  |
|                        | REMARKS <b>FAILED</b>                            |                  |          |                               |                                       | <u> </u>                             |                | L3      | L3         |               |                    | +                           |         | -                        |                |  |
| A3.                    | SURGE TEST/COMPARISON TEST:                      |                  |          |                               |                                       |                                      | I              | VOLTAG  | E INPUT:   | 1500          |                    |                             |         | 1                        |                |  |
|                        | PHASE  |                  |          |                               | 1.0201.1000                           |                                      |                |         |            |               | PHASE              |                             |         |                          |                |  |
|                        | 1-2  | 1-3              | 2-3      |                               |                                       |                                      |                |         |            | 1-3           | 2-3                |                             |         |                          |                |  |
| [                      |  |                  |          | TURN T                        |                                       | TO TURN SHORT                        |                |         |            |               |                    |                             | COMPL   | MPLETE GROUND            |                |  |
| ļ                      |  |                  |          | ł                             | TO COIL                               |                                      |                |         |            |               |                    |                             | -       | L GROUND                 | _              |  |
| ŀ                      |  |                  |          | ı                             |                                       | OIL CONNECTIO ONNECTION              | N              |         |            |               |                    |                             | -       | TO PHASE SHOR<br>WINDING | RT             |  |
| ł                      |  |                  |          | ı                             |                                       |                                      | NGS OR PHASES  | ;       |            | For Rew       |                    | ļ                           | For Red |                          |                |  |
| REC                    | OMMENDATION<br>E:                                | N:               |          |                               |                                       |                                      |                |         |            |               |                    |                             |         |                          |                |  |
| D AET                  | ED DECONDIT                                      | ION / DEW/INDING |          |                               |                                       |                                      | DATE: 0004 00  | 20      |            |               |                    |                             |         |                          |                |  |
| B. AF 1<br>B1.         | ER RECONDITION/REWINDING WINDING RESISTANCE TEST |                  |          |                               | INSULATION RESISTANCE TEST (MEGA-OHMS |                                      |                |         | IS)        |               |                    | TESTING W/O<br>LOAD (AMPS.) |         | TESTING WITH (AMPS.)     | H LOAD         |  |
|                        | (OHMS)   |                  | TIME     |                               |                                       | T-G @500V                            | •              | T-G @10 | V000       | T-G @:        | 2000V              | LOAD                        | (AMPS.) | (AMPS.)                  |                |  |
|                        | T1-T2/Pri  |                  | 30 SECO  |                               |                                       |                                      |                |         |            |               |                    | L1 - 4                      |         | L1 - 4                   |                |  |
|                        | T1-T3/Sec  |                  |          | 1 MINUTE                      |                                       |                                      |                |         |            | $\overline{}$ |                    | L2 - 4                      |         | L2 - 5                   |                |  |
|                        | T2-T3  |                  |          | 10 MINUTES Polarization Index |                                       |                                      |                |         |            | +             |                    | L3 - 4                      |         | L3 - 6                   |                |  |
|                        | REMARKS  |                  | WINDING  |                               |                                       |                                      | C°             | ABM. TE | MP.        | +             | C°                 | L5                          |         | L5                       |                |  |
|                        |  | REMARK           | S:       |                               | -                                     |                                      |                |         | •          |               | L6                 |                             | L6      |                          |                |  |
| B2.                    | HIG  | _                |          | T (MICRO-AMPS) T-G@1000V      |                                       |                                      |                |         |            |               |                    | Sec. (Volts)                |         | <u> </u>                 |                |  |
|                        |  | T-G@500V         | T-G@1000 |                               |                                       | T-G@1500V                            | T-G@2000V      |         |            | Pri. (Vo      | olts)              |                             |         | Pri. (Amps)              | Sec<br>(Amps.) |  |
|                        | T1   |                  |          |                               |                                       |                                      |                | L1      |            |               |                    |                             |         |                          |                |  |
|                        | T2   |                  |          |                               |                                       |                                      | <u> </u>       | L2      |            |               |                    |                             |         | <u> </u>                 |                |  |
|                        | T3<br>REMARKS                                    | -                |          |                               |                                       | <u> </u>                             |                | L3      |            |               |                    | +                           |         | -                        |                |  |
| 33.                    | SURGE TEST/COMPARISON TEST:                      |                  |          |                               |                                       |                                      | <u> </u>       | VOLTAG  | E INPUT:   | 1500          |                    |                             |         | 1                        |                |  |
|                        | PHASE  |                  |          |                               |                                       |                                      |                |         |            |               | PHASE              | 2.2                         |         |                          |                |  |
| Γ                      | 1-2  | 1-3              |          |                               |                                       | N TO TURN SHORT                      |                |         |            | 1-2           | 1-3                | 2-3<br>CO                   |         | PLETE GROUND             |                |  |
| ł                      |  |                  |          |                               | TO COIL SHORT                         |                                      |                |         |            |               |                    |                             |         | AL GROUND                |                |  |
| İ                      |  |                  |          | REVE                          | ERSED COIL CONNECTION                 |                                      |                |         |            |               |                    |                             |         | E TO PHASE SHORT         |                |  |
| Ţ                      |  |                  |          | Į.                            |                                       | ONNECTION                            | NO. 67 7::: -  |         |            |               |                    |                             | GOOD    | WINDING                  |                |  |
| I                      | Remarks:   |                  |          | ARCII                         | NG BETV                               | VEEN THE WIND                        | NGS OR PHASES  | i       |            |               |                    |                             |         |                          |                |  |
| RECOMMENDATION:        |  |                  |          |                               |                                       |                                      |                |         |            |               |                    |                             |         |                          |                |  |
| NOTE:                  |  |                  |          |                               |                                       |                                      |                |         |            |               |                    |                             |         |                          |                |  |
| TE                     | STED BY:   |                  |          |                               |                                       | RECEIVED BY                          | :              |         |            |               | CERTIFIE Walter A. |                             |         |                          |                |  |