

| FINISHED GOOD - PRE DISPATCH INSPECTION (FQI) REPORT | | | | | | | | | |
|--|--|--|-------------------------------|--|------------|-----------------------------------|--------------------|----------------|---------|
| Name of the Unit | | ONKAR ENGINE & GENERATOR (P) LTD. | | Document No | | S.No | | | |
| Address of the Unit | | D-316 PUDA | | Issue Date/ Month/ Year | | CCGL/COA/QI/NOI/PDI | | | |
| SWH | | LOT SIZE : 446 | | Version No. / Revision No./Date | | 0001/00/07/2021 | | | |
| Product Category | | TDS Ref No: | | Batch Code / Serial Number | | LOENIKR 908455 | | to 906400 | |
| Model / Year (Drawing code (number)) | | Route Card No: | | Shift (Tick in relevant box) | | A | | B | |
| Product Reference | | CGCL PO No. & Date: | | Line No. | | C | | | |
| Date of Inspection | | Vendor PDI report No.: | | PDI Inspector ID / Name | | 001907-17/26 | | MAHARAJ DABHAL | |
| SWH2025/ AMICA 85 CLR (AKKUNIMBEL) <td colspan="2">STORAGE <td colspan="2">WATER HEATER <td colspan="2">18/12/2021 <td colspan="2"> </td></td></td></td> | | STORAGE <td colspan="2">WATER HEATER <td colspan="2">18/12/2021 <td colspan="2"> </td></td></td> | | WATER HEATER <td colspan="2">18/12/2021 <td colspan="2"> </td></td> | | 18/12/2021 <td colspan="2"> </td> | | | |
| CATEGORY | PARAMETER DESCRIPTION | PARAMETER (N/Absorb/Attribute) | REFERENCE STANDARD / DOCUMENT | SPECIFICATION VALUES / DESCRIPTION | UOM | AQL | ACTUAL TEST VALUES | | Remarks |
| CRITICAL | High Voltage Test | Variable | Test plan | 1.5kv for 5 sec. | KV | 0.65 | 5470 | 5461 | 5490 |
| | Leakage Current Line to Earth | Variable | Test plan | 20micro Amp. Max. | µA | 0.65 | 31 | 35 | 29 |
| | Leakage Current Neutral to Earth | Variable | Test plan | 20micro Amp. Max. | µA | 0.65 | 84 | 42 | 24 |
| | Insulation Resistance | Variable | Test plan | Min. 2MΩ | MΩ | 0.65 | 2100 | 2100 | 2100 |
| | Earthling contact resistance | Variable | Test plan | Max. 0.10 at 25kA | Ω | 0.65 | 0.037 | 0.04 | 0.03 |
| | Main cord | Variable | TDS | 1 mtr effective | mtr | 0.65 | 1mtr | 1mtr | 1mtr |
| | Loose parts inside water heater | Attribute | As per Ref master sample | No loose parts allowed | NA | 0.65 | OK | OK | OK |
| | Loose connection | Attribute | Test plan | No loose connection | NA | 0.65 | OK | OK | OK |
| | Live parts/Wire exposed outside water heater---- | Attribute | Test plan | No live parts/Wire exposed | NA | 0.65 | OK | OK | OK |
| | LED glow | Attribute | As per Ref master sample | Should glow. | NA | 1 | 1976 | 1930 | 1891 |
| MAJOR | Input voltage * | Variable | TDS | 2000L10-5% of rated voltage | V | 1 | 1976 | 1930 | 1891 |
| | Pd | Visual | As per Ref master sample | No leakage | NA | 1 | OK | OK | OK |
| | Thermal insulation | Attribute | As per Ref master sample | As per reference sample | NA | 1 | OK | OK | OK |
| | MSP Sticker on outer carton missing/outdated | Attribute | As per Ref master sample | MRP as per lot | NA | 1.5 | OK | OK | OK |
| | Warranty manual inside water heater | Attribute | As per Ref master sample | As per reference sample | NA | 1.5 | OK | OK | OK |
| | Serial number matching (warranty cards & water heater) | Attribute | As per Ref master sample | Should match | NA | 1.5 | OK | OK | OK |
| | Star rating sticker on Product/outer carton/manual | Attribute | As per Ref master sample | As per model/capacity & defined lot | NA | 1.5 | OK | OK | OK |
| | Date of manufacturing | Attribute | TDS | Should be match with serial number | NA | 1.5 | OK | OK | OK |
| | Screen Printing defects | Attribute | As per Ref master sample | No Smudging, printing straightness, ok color/y/o scratch (As per ref sample) | NA | 1.5 | OK | OK | OK |
| | MINOR | Make of cutout /Heating Element | Attribute | As per Ref master sample | As per IEC | NA | 1.5 | OK | OK |
| Printing /mislabel of carton | | Attribute | As per Ref master sample | Printing to be clear and no smudging | NA | 1.5 | OK | OK | OK |
| Sticker pasting | | Attribute | As per Ref master sample | As mentioned in art work | NA | 1.5 | OK | OK | OK |
| Accessories | | Attribute | As per Ref master sample | As per reference sample | NA | 1.5 | OK | OK | OK |
| Filament | | Attribute | As per Ref master sample | No loose filament | NA | 1.5 | OK | OK | OK |
| Aesthetics | | Attribute | Test plan | Free from scratches, Oil mark, Black spot etc. | NA | 1.5 | OK | OK | OK |
| Mounting Capacity in liter of WH* | | Variable | TDS | > Rated Capacity | ltr | 3 sample | 86.200 | 81 | 81 |
| Water leakage from WHV for class-3 WH | | Variable | TDS | 120 psi | Psi | 1 sample | 70 | 70 | 70 |
| Water temp. when Thermostat cuts* | | Variable | TDS | 70-80 °C | °C | 1 sample | 71 | 71 | 71 |
| Water temp. when cutout trip* | | Variable | TDS | 84-96 °C | °C | 3 sample | 90 | 90 | 90 |
| SPECIAL TEST | Cold water temp | Variable | As per Ref master sample | Actual | °C | 1 sample | 88 | 88 | 88 |
| | Time taken for thermostat Tripping | Variable | As per Ref master sample | Actual | Minute | 1 sample | 82 | 82 | 82 |
| | Powder Coating | Variable | TDS | PDM: DFT 35-45 micron CRC: DFT 60-120 micron. | micron | 2 sample | 87 | 91 | 90 |
| | Test routine * | Variable | TDS | DFT 120-350 micron. | micron | 2 sample | 87 | 91 | 90 |

| Crompton | | Name of the Unit | | ONKAR ENGINE & GENERATOR (P) LTD. | | Document No. | | S No | |
|---------------------------------------|--|--------------------------------|-------------------------------|--|----------|--|---------|---------------------------|--|
| Product Category | | Address of the Unit | | D-316 NORDA | | Issue Date / Month / Year | | 0001/09/07/2020 | |
| Model / Type / Ordering code (number) | | SWH | | LOT SIZE : | | Version No. / Revision No / Date | | 0001/09/07/2020 | |
| Product Reference | | Storage | | TDS Ref No. | | Batch Code / Serial Number | | 10ENIUK 4050SS5 TO 406400 | |
| Date of Inspection | | 18/12/2021 | | Route Card No: | | Shift / Tick in relevant box | | 01. | |
| | | | | COSEL PO No & Date: | | Line No. | | 01. | |
| | | | | Vendor PO report No : | | PO Inspector ID / Name | | 00101-126 | |
| CATEGORY | PARAMETER DESCRIPTION | PARAMETER (Variable/Attribute) | REFERENCE STANDARD / DOCUMENT | SPECIFICATION VALUES / DESCRIPTION | UOM | ACTUAL TEST VALUES | Remarks | | |
| CRITICAL | High Voltage Test | Variable | Test plan | 1.5kv for 5 sec. | K.V | 5521 5531 5536 5560 5581 5593 5590 5611 5670 5692 | PASS | | |
| | Leakage Current Line to Earth | Variable | Test plan | 210micro Amp. Max. | µA | 81 35 29 21 40 39 40 31 30 | PASS | | |
| | Leakage Current Neutral to Earth | Variable | Test plan | 210micro Amp. Max. | µA | 24 37 42 23 44 33 46 27 24 29 | PASS | | |
| | Insulation Resistance | Variable | Test plan | Min. 2MΩ | MΩ | 7100 7100 7100 7100 7100 7100 7100 7100 7100 7100 | PASS | | |
| | Earthling contact resistance | Variable | Test plan | Max. 0.1Ω at 25A | Ω | 0.037 0.04 0.028 0.036 0.041 0.04 0.04 0.036 0.034 | PASS | | |
| | Main cord | Variable | TDS | 1 mtr effective | mtr | 1mtr 1mtr 1mtr 1mtr 1mtr 1mtr 1mtr 1mtr 1mtr 1mtr | PASS | | |
| | Loose parts inside water heater | Attribute | As per Ref master sample | No loose parts allowed | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Excess connection | Attribute | Test plan | No loose connection | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Line parts/Wires exposed outside water heater..... | Attribute | Test plan | No live parts/Wires exposed | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | LED glow | Attribute | As per Ref master sample | Should glow. | NA | 1904 1991 1920 | PASS | | |
| MAJOR | Input wattage * | Variable | TDS | 2000(1P-5W) of rated wattage | W | 1904 1991 1920 | PASS | | |
| | Thermal insulation | Attribute | As per Ref master sample | No leakage | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Warranty manual inside water heater | Attribute | As per Ref master sample | As per reference sample | NA | 19,300 1 | PASS | | |
| | Serial number matching (warranty cards & water heater) | Attribute | As per Ref master sample | MOP as per Ref | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Star rating sticker on Product/outer carton/manual | Attribute | As per Ref master sample | Should match | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Date of manufacture | Attribute | TDS | As per model/capacity & defined list | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Screen Printing defects | Attribute | As per Ref master sample | Should be match with serial number | NA | 113091 | PASS | | |
| | Make of colour /Heating Element | Attribute | As per Ref master sample | No smudging, printing straightness, ok color, no scratches (As per Ref sample) | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Printing /finish of carton | Attribute | As per Ref master sample | As Per BOM | NA | CG | PASS | | |
| | Sticker pasting | Attribute | As per Ref master sample | Printing to be clear and no smudging | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| MINOR | Accessories | Attribute | As per Ref master sample | As mentioned in art work | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Fitment | Attribute | As per Ref master sample | As per reference sample | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Aesthetics | Attribute | Test plan | No loose filament | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Mounting Capacity in liter of WH* | Attribute | Test plan | Free from Scratches, Oil mark, Buck spot etc. | NA | OK OK OK OK OK OK OK OK OK OK | PASS | | |
| | Water leakage from M/FV for class 1 WH | Variable | TDS | > Rated Capacity | Ltr | 28.190 LTR | PASS | | |
| | Water temp, when Thermostat cuts* | Variable | TDS | 120 psi | psi | 120 psi | PASS | | |
| | Water temp, when cutout trip* | Variable | TDS | 70-80 °C | °C | 71°C | PASS | | |
| | Cold water temp | Variable | TDS | 84-96 °C | °C | 90°C | PASS | | |
| | Time taken for thermostat Tripping | Variable | As per Ref master sample | Actual | Minute | 38°C | PASS | | |
| | Powder Coating | Variable | As per Ref master sample | Actual | micron | 89 min | PASS | | |
| SPECIAL TEST | Cold water temp | Variable | TDS | PCM: DFT 35-45 micron. | 2 sample | 106 101 | PASS | | |
| | Tank coating * | Variable | TDS | CRC: DFT 60-120 micron. | 2 sample | 247 251 | PASS | | |

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|---|-------------------------------------|------------------------------------|---|
| <p>DETAILS OF SPECIAL TESTS (AS APPLICABLE):</p> <p>DETAILS OF ANY NON-STANDARD FEATURES (AS APPLICABLE)</p> <p>Remarks/Comments: If any inspection to be carried out as per sampling plan mentioned in 4 and 5 level and random sample observation to be mentioned in observation column and if any discrepancy, mention in remark column.</p> <p>Tolerance is not specified then general tolerance is 1.4%.</p> | | <p>Notes: If</p> | |
| <p align="center">INSPECTION SUMMARY</p> | | | |
| TESTED BY | Name | Signature | |
| APPROVED BY | Name | Signature | |
| <p>SERIAL NO. OF SHEETS TO BE REFERRED :</p> | | <p>Deviation Note Number</p> | |
| DECISION ON THE LOT | Direct Pass | Passed under deviation with Rework | Passed under deviation without rework |
| Tick in the relevant Box | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | Incise of Deviation, as | Deviation approval authority (Name & Signature) |

