Bertel O. Steen Power Solutions AS

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# Checklist Annual Service

| | | | |
|---|---|---|---|
| Customer Name / Contact Name | Digiplex | / | Alexander Olsen |
| Generator Set Location / Address | Selma Ellefsensvei 1 | / | 0581 Oslo |
| Generator Set designation | EF 5 anlegg | | |
| Generator Model / Serial No. | Stamford HCI634J1 | / | 0267456/001 |
| Engine Model / Serial no. | 16V 2000G65 | / | 536 109 118 |

| Measuring points | Unit | Measured values | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Year | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| Engine | | | | | | | | | | | | | |
| Start time | sec | NA | | | | | | | | | | | |
| Running hours | h | 160 | | | | | | | | | | | |
| Engine RPM | RPM | NA | | | | | | | | | | | |
| Engine injection | % | NA | | | | | | | | | | | |
| P-Lube Oil | bar | NA | | | | | | | | | | | |
| P-Fuel | bar | NA | | | | | | | | | | | |
| P-Charge Air | bar | NA | | | | | | | | | | | |
| T-Lube Oil | °C | NA | | | | | | | | | | | |
| T-Coolant | °C | NA | | | | | | | | | | | |
| T-Fuel | °C | NA | | | | | | | | | | | |
| T-Charge Air | °C | NA | | | | | | | | | | | |
| T-Exhaust A | °C | NA | | | | | | | | | | | |
| T-Exhaust B | °C | NA | | | | | | | | | | | |
| Generator | | | | | | | | | | | | | |
| Power | kW | NA | | | | | | | | | | | |
| Voltage L1 | V | NA | | | | | | | | | | | |
| Voltage L2 | V | NA | | | | | | | | | | | |
| Voltage L3 | V | NA | | | | | | | | | | | |
| Current L1 | A | NA | | | | | | | | | | | |
| Current L2 | A | NA | | | | | | | | | | | |
| Current L3 | A | NA | | | | | | | | | | | |
| Frequency | Hz | 50,0 | | | | | | | | | | | |
| Apparant power | kVA | NA | | | | | | | | | | | |
| Reactive power | kVAr | NA | | | | | | | | | | | |
| cos phi | | NA | | | | | | | | | | | |
| T-Winding L1 | °C | NA | | | | | | | | | | | |
| T-Winding L2 | °C | NA | | | | | | | | | | | |
| T-Winding L3 | °C | NA | | | | | | | | | | | |
| T-Bearing DE | °C | NA | | | | | | | | | | | |
| T-Bearing NDE | °C | NA | | | | | | | | | | | |
| Engine Pre Heater HT | | | | | | | | | | | | | |
| T-Coolant before start | °C | 42,0 | | | | | | | | | | | |
| Current L1 | A | 22,4 | | | | | | | | | | | |
| Current L2 | A | NA | | | | | | | | | | | |
| Current L3 | A | NA | | | | | | | | | | | |
| Engine Pre Heater LT | | | | | | | | | | | | | |
| T-Coolant before start | °C | NA | | | | | | | | | | | |
| Current L1 | A | NA | | | | | | | | | | | |
| Current L2 | A | NA | | | | | | | | | | | |
| Current L3 | A | NA | | | | | | | | | | | |
| Starting system | | | | | | | | | | | | | |
| U-Batt. at start max. | V | 26,8 | | | | | | | | | | | |
| U-Batt. at start min. | V | 22,0 | | | | | | | | | | | |
| U-Batt. Charger | V | 26,8 | | | | | | | | | | | |
| R-Startmotor to ground | MΩ | > 1 | | | | | | | | | | | |
| U-Alternator (dynamo) | V | 28,0 | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Simillar load conditions are important to compare performance from year to year.

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| Measuring points | Unit | Measured values |
|---|---|---|
| Values to be logged at the end of the test run. | | |