

Checklist Annual Service

Power Solutions

Generator Set Location / Address Selma Elle/sensvei 1	ons				
FF 5 anlegg	Alexander Olsen				
Stamford HCl634J1					
Indignate Indi					
Measuring points					
Year 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2 Engine					
Start time					
Start time Sec NA NA NA NA NA NA NA N	2030 203				
Running hours h 160					
Engine RPM RPM NA Engine injection % NA P-Fuel bar NA P-Fuel bar NA P-Fuel bar NA P-Charge Air 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-Fuel °C NA T-Exhaust A °C NA T-Exhaust B °C NA T-Winding L2 NA T-Winding L1 °C NA T-Winding L3 °C NA T-Bearing DE °C NA T-Bearing DE °C NA T-Bearing NDE °C NA T-Bearing					
Engine injection					
P-Lube Oil bar NA P-Fuel bar NA P-Fuel bar NA P-Charge Air bar NA T-Lube Oil °C NA T-Coolant °C NA T-Coolant °C NA T-Fuel °C NA T-Fuel °C NA T-Fuel °C NA T-Exhaust A °C NA T-Exhaust B °C NA T-Winding L1 °C NA T-Winding L2 °C NA T-Bearing DE °C NA T-Bearing NE °C NA					
P-Fuel bar NA					
P-Charge Air					
T-Lube Oil					
T-Coolant					
T-Fuel °C NA					
T-Charge Air					
T-Exhaust A °C NA					
T-Exhaust B					
Generator Power KW NA					
Power					
Voltage L1					
Voltage L2					
Voltage L3 V NA Current L1 A NA Current L2 A NA Current L3 A NA Frequency Hz 50,0 Apparant power kVA NA Apparant power kVA NA Reactive power kVAr NA Cos phi NA 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 NA Current L3 A NA NA Current L3 A					
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 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 Engine Pre Heater LT T-Coolant before start °C NA Current L1 A NA NA Current L2 A NA NA					
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Current L3 A NA Frequency Hz 50,0 Apparant power kVA NA Reactive power kVAR NA cos phi NA Image: 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 Secondary					
Frequency Hz 50,0 Apparant power kVA NA Reactive power kVAr NA cos phi NA Invincing L 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 Invited before start Invited before					
Apparant power kVA NA Reactive power kVAr NA cos phi NA 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					
Reactive power kVAr NA cos phi NA 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 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					
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 NA Current L2 A NA NA Current L3 A NA NA Starting system U-Batt. at start max. V 26,8 U-Batt. at start min.					
T-Winding L1					
T-Winding L2					
T-Winding L3					
T-Bearing DE					
T-Bearing NDE					
Engine Pre Heater HT T-Coolant before start					
T-Coolant before start					
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 NA Current L2 A NA NA Current L3 A NA NA Starting system U-Batt. at start max. V 26,8 Image: Control of the					
Current L2 A NA NA Current L3 A NA NA Engine Pre Heater LT T-Coolant before start °C NA NA Current L1 A NA NA Current L2 A NA NA Current L3 A NA NA Starting system U-Batt. at start max. V 26,8 NA U-Batt. at start min. V 22,0 NA					
Current L3 A NA Engine Pre Heater LT T-Coolant before start °C NA Current L1 A NA NA Current L2 A NA NA Current L3 A NA NA Starting system U-Batt. at start max. V 26,8 Image: Control of the control					
Engine Pre Heater LT T-Coolant before start °C NA					
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					
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					
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					
Current L3 A NA Starting system U-Batt. at start max. V 26,8 U-Batt. at start min. V 22,0					
Starting system U-Batt. at start max. V 26,8 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII					
U-Batt. at start max. V 26,8 U-Batt. at start min. V 22,0					
U-Batt. at start min. V 22,0					
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T II D-II OI					
U-Batt. Charger V 26,8					
R-Startmotor to ground $M\Omega > 1$					
U-Alternator (dynamo) V 28,0					
Simillar load conditions are important to compare performance from year to year.					

Bertel O. Steen Power Solutions AS



Checklist Annual Service

Power Solutions

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 HCl634J1 / 0267456/001						
Engine Model / Serial no.		16V 2000G65	/	536 109 118		
Measuring points Unit Measured values						
Values to be logged at the end of the test run.						