

## Checklist Annual Service

Power Solutions

Customer Name / Contact Name		Digiplex / Alexander Olsen	
Generator Set Location / Address		Selma Ellefsensvei 1 / 0581 Oslo	
Generator Set designation		A-anlegg	
Generator Model / Serial No.		LSA 52.3 57-4P / 608991/1	
Engine Model / Serial no.		16V 4000 G61 / 527 104 091	

Measuring points	Unit	Measured values											
	Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>Engine</b>													
Start time	sec	1544											
Running hours	h	456											
Engine RPM	RPM	1500											
Engine injection	%												
P-Lube Oil	bar	6,3											
P-Fuel	bar	6,6											
P-Charge Air	bar	1,70											
T-Lube Oil	°C	81											
T-Coolant	°C	78											
T-Fuel	°C	33											
T-Charge Air	°C	39											
T-Exhaust A	°C												
T-Exhaust B	°C												
<b>Generator</b>													
Power	kW	790											
Voltage L1	V	400											
Voltage L2	V	399											
Voltage L3	V	400											
Current L1	A	1160,0											
Current L2	A	1150,0											
Current L3	A	1110,0											
Frequency	Hz	50,0											
Apparant power	kVA	789,0											
Reactive power	kVAr	45,0											
cos phi		1,0											
T-Winding L1	°C	41											
T-Winding L2	°C	41											
T-Winding L3	°C	39											
T-Bearing DE	°C	30											
T-Bearing NDE	°C	32											
<b>Engine Pre Heater HT</b>													
T-Coolant before start	°C	43,0											
Current L1	A	16,2											
Current L2	A	16,1											
Current L3	A	16,2											
<b>Engine Pre Heater LT</b>													
T-Coolant before start	°C												
Current L1	A	11,5											
Current L2	A	11,5											
Current L3	A	N/A											
<b>Starting system</b>													
U-Batt. at start max.	V	27,2											
U-Batt. at start min.	V	20,6											

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U-Batt. Charger	V	27,3
R-Startmotor to ground	MΩ	46,0
U-Alternator (dynamo)	V	N/A

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

Values to be logged at the end of the test run.