

Checklist Annual Service

Power Solutions

Customer Name / Contact Name		Digiplex / Alexander Olsen	
Generator Set Location / Address		Selma Ellefsensvei 1 / 0581 Oslo	
Generator Set designation		D-anlegg	
Generator Model / Serial No.		LSA 51.2 M60-P4 / 601690-1	
Engine Model / Serial no.		16V 4000 G23 / 527 103 763	

Measuring points	Unit	Measured values											
	Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Engine													
Start time	sec	1343											
Running hours	h	297											
Engine RPM	RPM	1500											
Engine injection	%	NA											
P-Lube Oil	bar	6,0											
P-Fuel	bar	5,7											
P-Charge Air	bar	2,10											
T-Lube Oil	°C	80											
T-Coolant	°C	82											
T-Fuel	°C	57											
T-Charge Air	°C	38											
T-Exhaust A	°C	NA											
T-Exhaust B	°C	NA											
Generator													
Power	kW	1235											
Voltage L1	V	400											
Voltage L2	V	400											
Voltage L3	V	400											
Current L1	A	1781,0											
Current L2	A	1811,0											
Current L3	A	1745,0											
Frequency	Hz	50,0											
Apparant power	kVA	1232,0											
Reactive power	kVAr												
cos phi													
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	57,0											
Current L1	A	16,5											
Current L2	A	15,0											
Current L3	A	16,6											
Engine Pre Heater LT													
T-Coolant before start	°C	33,0											
Current L1	A	11,9											
Current L2	A	11,6											
Current L3	A	N/A											
Starting system													
U-Batt. at start max.	V	26,8											
U-Batt. at start min.	V	25,4											

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U-Batt. Charger	V	26,6
R-Startmotor to ground	MΩ	
U-Alternator (dynamo)	V	26,6

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

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