

Checklist Annual Service

Power Solutions

Customer Name / Contact Name		Digiplex / Alexander Olsen											
Generator Set Location / Address		Selmer Ellefsensvei 1 / 0581 Oslo											
Generator Set designation		C anlegg											
Generator Model / Serial No.		Leroy Sommer LSA 51,2M60-4P / 601690-2											
Engine Model / Serial no.		16V 4000G23 / 527 103 759											
Measuring points	Unit	Measured values											
	Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Engine													
Start time	sec												
Running hours	h	191											
Engine RPM	RPM	1500											
Engine injection	%	NA											
P-Lube Oil	bar	6,0											
P-Fuel	bar	7,1											
P-Charge Air	bar	1,90											
T-Lube Oil	°C	76											
T-Coolant	°C	76											
T-Fuel	°C	49											
T-Charge Air	°C	35											
T-Exhaust A	°C	NA											
T-Exhaust B	°C	NA											
Generator													
Power	kW	952											
Voltage L1	V	403											
Voltage L2	V	403											
Voltage L3	V	405											
Current L1	A	1,38KA											
Current L2	A	1,39KA											
Current L3	A	1,36KA											
Frequency	Hz	50,0											
Apparant power	kVA	965,0											
Reactive power	kVAr	64,0											
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	50,0											
Current L1	A	11,0											
Current L2	A	14,0											
Current L3	A	13,9											
Engine Pre Heater LT													
T-Coolant before start	°C	29,0											
Current L1	A	NA											
Current L2	A	NA											
Current L3	A	NA											
Starting system													
U-Batt. at start max.	V	26,9											
U-Batt. at start min.	V	22,1											
U-Batt. Charger	V	27,0											
R-Startmotor to ground	MΩ	>1											
U-Alternator (dynamo)	V	27,0											
Similar load conditions are important to compare performance from year to year.													

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