

Checklist Annual Service

Power Solutions

Customer Name / Contact Name	Digiplex	/ Alexander Olsen
Generator Set Location / Address	Selma Ellefsensvei 1	/ 0581 Oslo
Generator Set designation / BOS Power project	D-anlegg	/ 32092
Generator Model / Serial No.	LSA 51.2 M60-4P	/ 601690-1
Engine Model / Serial no.	16V 4000G23	/ 527 103 763
Generator Set Running Hours / Date	297	/ 07.10.2020

System Items	Check	Comments
General		
Visual inspection for general condition	OK	
Visual inspection for leaks	OK	
Check Governor/Connections	OK	
Export engine error logfile *	OK	
Test run at not below 1/3 load and at least until steady-state temperature is reached	OK	
Check for abnormal running noises, exhaust gas color and vibration	OK	
Logg engine operating data	OK	
Logg generator data	OK	
Logg auxilaty data	NA	
Control Panel / LOP		
Control Panel & Wiring, visuell inspection	OK	
Cleanness	OK	
Cable glands, check	OK	
Ground connections	OK	
Wear and tear	OK	
Traces of overheating	OK	
Loose connections	OK	
Emergency stop buttons, check function	OK	
Generator		
Stator		
Visuel inspection	OK	
Cleanness	OK	
Cable glands, check	OK	
Ground connections	OK	
Wear and tear	OK	
Traces of overheating	OK	
Loose connections	OK	
Armature		
Visuel inspection	OK	
Cleanness	OK	
Cable glands, check	OK	
Ground connections	OK	
Wear and tear	OK	
Traces of overheating	OK	
Loose connections	OK	
Check rotating diodes	OK	

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System Items	Check	Comments
Voltage regulator		
Cleanness	OK	
Traces of overheating	OK	
Loose connections	OK	
Wear and tear	OK	
Auxiliary equipment		
Air intake, filter	NA	
Space heater	NA	
Bearing DE, lubricate	NA	
Bearing NDE, lubricate	OK	
Temperature sensors, verify function	NA	
Grounding straps	OK	
Rubber mounts, bolts	OK	
Starting System		
Batteries, visual inspection, cleanliness, cracks, signs of overheating	OK	
Batteries, check battery acid level	NA	
Battery Charger, check connections	OK	
Starting Motor, check connections	OK	
Starting Motor, insulation condition	OK	Missing
Alternator (dynamo), connections	OK	
Solenoids/valves, visual inspection	OK	
Engine Wiring Harness/Sensors	OK	
Air Intake & Exhaust System		
Air Filters, vacuum indicator	OK	
Air Intake Assembly	OK	
Charge Air Cooler	OK	
Exhaust Assembly	OK	
Turbo Assembly	OK	
Silencer/Muffler	OK	
Hoses & Connections	OK	
Lubrication System		
Check oil level	OK	changed oil and filter
Oil Sample for Analysis *	OK	
Oil Pressure	OK	

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Crankcase Ventilation	OK	changed ventilation filters
Lube Oil System Gasket Seals	OK	
Hoses & Connections	OK	
Fuel System		
Fuel Line Connections	OK	
Main Filters	OK	Changed filter
Intermedeate Filters	NA	
Pre Filters	OK	Changed filter
Check service indicator of fuel prefilter	NA	
Transfer system	OK	
Transfer system Filters	OK	
Setling Tank / Day Tank	OK	
Hoses & Connections	OK	
Coolant System		
Radiator	OK	
Heat Exchanger	NA	
Coolant Sample for Analysis *	OK	
Check relief bores of coolant pump(s)	OK	
Inspect intercooler drain system	OK	
Gaskets/Seals	OK	
Hoses & Connections	OK	
Pre Heater, general check	OK	
Fan Drive & Pulley Assembly	OK	
Inspect condition of drive belts. Adjust tension.	OK	
Maintenance		
Replaced engine oil	OK	
Replaced oil filter(s)	OK	
Crank case ventilation filter(s)	OK	
Replaced fuel filter(s)	OK	
Replaced air filter(s)		
Replaced battery(s)		
Replaced coolant filter(s)		
Replaced coolant		
Replaced hoses		
Replaced fan belts		

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Notes, comments or recommended work to be quoted		
missing insulation at the starter cabel at the starter		
Missing battery cover for the batteries		
Diesel leak handpump		
Fiter cloth generator		
One of the main wires that goes into the generator was gnawing on an egde, this was fixed on the spot by		
Lysteknikk		
OK: No action required. PF: Potential failure, should be rectified. CF: Critical failure, immediate repair required. NA: Not Applicable. * Feedback will be given when analysed.		
Note: The details appearing in the above record are based on a visual inspection conducted in accordance with recognized technical standards. No liability can be accepted in respect of deficiencies and faults on the components inspected which cannot be identified.		
Helge Breivik	8.10.2020	
Service Technician	Date	Customer Representative