

Job : 6608-1  
 Note : SERIAL N. 080169  
 Board : DST4601 E610202860600 (xx.17) ID:

Date: 30/10/2008 16.06.20

Paramete	Description	U.M.	Value	Note
P.0001	Maker password		0	
P.0002	System password		0	
P.0003	User password		0	
P.0101	Generator number of phases		3	
P.0102	Generator nominal voltage	V	11000	
P.0103	Generator TV primary voltage	V	17500	
P.0104	Generator TV secondary voltage	V	160	
P.0105	Generator nominal frequency	Hz	50	
P.0106	Generator nominal power	kVA	2875	
P.0107	Generator TA ratio	/5A	1000	
P.0108	Auxiliary current transformer primary	/5A	0	
P.0109	Auxiliary current transformer type		0-Not used	
P.0110	Pick-up wheel teeth number		0	
P.0111	W ratio		0,00	
P.0112	Oil pressure sensor type		0-None	
P.0113	Coolant temperature sensor type		0-None	
P.0114	Fuel level sensor type		0-No	
P.0115	D+ input enable		1-Yes	
P.0116	Mains nominal voltage	V	400	
P.0117	Mains TV primary voltage	V	0	
P.0118	Mains TV secondary voltage	V	0	
P.0201	Mains voltage hysteresis	% nom	2,5	
P.0202	Generator voltage hysteresis	% nom	2,5	
P.0203	Mains low voltage threshold	% nom	80,0	
P.0204	Mains high voltage threshold	% nom	110,0	
P.0205	Mains presence delay	s	30	
P.0206	Mains fault delay	s	2	
P.0207	Inhibition activation delay	s	30	
P.0208	Inhibition deactivation delay	s	2	
P.0209	Preheat cycle duration	s	0	
P.0210	Starter pulse duration	s	5	
P.0211	Number of crank attempts		3	
P.0212	Time between two crank attempts	s	5	
P.0213	Stop pulse duration	s	40	
P.0214	Stop cycle duration	s	40	
P.0215	Cooling cycle duration	s	120	
P.0216	Engine protection mask time	s	15	
P.0217	Operating conditions maximum time	s	30	
P.0218	Delay before supply	s	5	
P.0219	Contactors swap delay	s	2	
P.0220	Contactors holding time	s	6	
P.0221	Enable generator supply on MCB failure		0-No	
P.0222	Enable generator supply on TEST		0-No	
P.0223	Minimum rated coolant temperature	°C	0	
P.0224	Engine stopped threshold (rpm)	rpm	100	
P.0225	Engine running threshold (rpm)	rpm	300	
P.0226	Engine stopped threshold (V)	V	70	
P.0227	Engine running threshold (V)	V	80	
P.0228	Engine stopped threshold (Hz)	Hz	0	
P.0229	Engine running threshold (Hz)	Hz	0	
P.0230	Engine stopped threshold (D+)	% Vbatt	25,0	
P.0231	Engine running threshold (D+)	% Vbatt	67,0	
P.0232	Engine running from oil pressure contacts		0-No	
P.0301	Minimum voltage threshold	% nom	75,0	
P.0302	Minimum voltage delay	s	3	
P.0303	Maximum voltage threshold	% nom	112,5	
P.0304	Maximum voltage delay	s	3	
P.0305	Minimum frequency threshold	% nom	90,0	
P.0306	Minimum frequency delay	s	5	
P.0307	Maximum frequency threshold	% nom	110,0	
P.0308	Maximum frequency delay	s	5	
P.0309	Maximum current threshold	% nom	115,0	
P.0310	Maximum current delay	s	10	
P.0311	Short circuit threshold	% nom	500	
P.0312	Short circuit delay	s	0,5	
P.0313	Power reverse threshold	% nom	5,0	
P.0314	Power reverse delay	s	0	
P.0315	Voltages unbalance threshold	% nom	2,5	
P.0316	Voltages unbalance delay	s	0	
P.0317	Currents unbalance threshold	% nom	5,0	
P.0318	Currents unbalance delay	s	0	
P.0331	Over speed (from frequency) threshold	% nom	120,0	

Paramete	Description	U.M.	Value	Note
P.0332	Over speed (from frequency) delay	s	0,5	
P.0333	Over speed (from pick-up) threshold	rpm	0	
P.0334	Over speed (from pick-up) delay	s	0,0	
P.0335	High coolant temperature threshold	°C	102	
P.0336	High coolant temperature delay	s	2	
P.0337	Maximum coolant temperature threshold	°C	104	
P.0338	Maximum coolant temperature delay	s	2	
P.0339	Low oil pressure threshold	Bar	4,0	
P.0340	Low oil pressure delay	s	2	
P.0341	Minimum oil pressure threshold	Bar	3,5	
P.0342	Minimum oil pressure delay	s	2	
P.0343	High fuel level threshold	%	90	
P.0344	High fuel level delay	s	2	
P.0345	Low fuel level threshold	%	10	
P.0346	Low fuel level delay	s	2	
P.0347	Minimum fuel level threshold	%	5	
P.0348	Minimum fuel level delay	s	20	
P.0349	Belt break delay (engine's battery-charger f	s	20	
P.0361	EMERGENCY STOP (03) input delay	s	0,5	
P.0362	Low battery voltage threshold	% nom	96,7	
P.0363	Low battery voltage delay	s	40	
P.0364	High battery voltage threshold	% nom	125,0	
P.0365	High battery voltage delay	s	40	
P.0366	High board temperature threshold	°C	65,0	
P.0367	Maximum auxiliary current threshold	A	0,0	
P.0368	Maximum auxiliary current delay	s	0,0	
P.0401	Fuel pump sensor type		1-Digital sensor	
P.0402	Fuel pump start threshold	%	15	
P.0403	Fuel pump stop threshold	%	80	
P.0418	Test enable days		0	
P.0419	Test start time	hh:nn	00.00	
P.0420	Test duration	min	0	
P.0421	Generator enable days		127	
P.0422	Generator enable start time	hh:nn	00.00	
P.0423	Generator enable stop time	hh:nn	00.00	
P.0424	Service interval	hh	0	
P.0425	Service function type		1-Warning	
P.0441	Event logging mode		0-Alarms	
P.0442	Analogue fast logging interval	s	60	
P.0443	Analogue slow logging interval	min	30	
P.0451	Serial link type		0-Rs232/Rs485	
P.0452	Device address		1	
P.0453	Baud Rate	Bps	9600	
P.0454	Settings		0-8 bit, no parity, 1 stop	
P.0455	Communication events		0	
P.0456	Plant name		6608	
P.0457	Phone number (1)			
P.0458	Phone type (1)		0-Not used	
P.0459	Phone number (2)			
P.0460	Phone type (2)		0-Not used	
P.0461	Phone number (3)			
P.0462	Phone type (3)		0-Not used	
P.0463	Phone number (4)			
P.0464	Phone type (4)		0-Not used	
P.0465	Dial mode		T-By tones	
P.0466	Number of ring before answer		1	
P.0467	Number of SMS for each event		1	
P.0468	Number of try for data calls		1	
P.0481	Load function type		0-Low load	
P.0482	Initial delay	s	5	
P.0483	Low power threshold	% nom	0,0	
P.0484	Low power delay	s	60	
P.0485	High power threshold	% nom	0,0	
P.0486	High power delay	s	3	
P.0491	Horn duration	s	60	
P.0492	Screen saver delay	s	999	
P.0501	Input #01 function	s	0,5	
P.0502	Input #01 delay		HIGH OIL TEMPERATURE	
P.0503	Input #02 function	s	1	
P.0504	Input #02 delay		DIODE FAILURE	
P.0505	Input #04 function	s	0,5	
P.0506	Input #04 delay		ENG.LOW WATER LEV.	
P.0507	Input #07 function		1-Warning	
P.0508	Input #07 delay	s	2	
P.0509	Input #07 message		AFT.LOW WATER LEV.	
P.0510	Input #08 function		3-Alarm	
P.0511	Input #08 delay	s	15	
P.0512	Input #08 message		ENG.MIN WATER LEV.	

Paramete	Description	U.M.	Value	Note
P.0513	Input #09 function		3-Alarm	
P.0514	Input #09 delay	s	2	
P.0515	Input #09 message		AFT.MIN.WATER LEV.	
P.0516	Input #10 function		1-Warning	
P.0517	Input #10 delay	s	15	
P.0518	Input #10 message		ELECTRIC FAN TRIP	
P.0519	Input #11 function		3-Alarm	
P.0520	Input #11 delay	s	1	
P.0521	Input #11 message		EL.PROTECTION OPERATED	
P.0522	Input #12 function		1-Warning	
P.0523	Input #12 delay	s	1	
P.0524	Input #12 message		HIGH GEN.TEMP	
P.0525	Input #13 function		3-Alarm	
P.0526	Input #13 delay	s	1	
P.0527	Input #13 message		MAX GENERATOR TEMP	
P.0528	Input #14 function		17-Overload	
P.0529	Input #14 delay	s	1	
P.0530	Input #14 message		TRIP FROM SWITCHGEAR	
P.0531	Input #15 function		1-Warning	
P.0532	Input #15 delay	s	1	
P.0533	Input #15 message		AUX.CIRC.BREAKER TRIP	
P.0534	Input #16 function		8-Minimum fuel level	
P.0535	Input #16 delay	s	20	
P.0536	Input #16 message		(IN #16)	
P.0537	Input #17 function		9-Low fuel level	
P.0538	Input #17 delay	s	2	
P.0539	Input #17 message		(IN #17)	
P.0540	Input #18 function		1-Warning	
P.0541	Input #18 delay	s	1	
P.0542	Input #18 message		WATER IN FUEL	
P.0543	Input #19 function		3-Alarm	
P.0544	Input #19 delay	s	1	
P.0545	Input #19 message		EXTERNAL EMERGENCY	
P.0546	Input #20 function		12-High fuel level	
P.0547	Input #20 delay	s	2	
P.0548	Input #20 message		(IN #20)	
P.0581	Output #45 function		9-Generator alarms	
P.0582	Output #46 function		18-Or alarms	
P.0583	Output #47 function		8-Engine running	
P.0584	Output #21 function		3-Fuel pump	
P.0585	Output #22 function		12-Fuel alarms	
P.0586	Output #40 function		8-Engine running	
P.0587	Output #41 function		18-Or alarms	
P.0588	Output #42 function		7-Generator in thresholds	
P.0589	Output #43 function		22-Bit mapped	
P.0590	Output #44 function		10-Engine alarms	
P.0591	Output #24 function		16-Stop solenoid	
P.0601	Output #21 map 1		0000000000000000	
P.0602	Output #21 map 2		0000000000000000	
P.0603	Output #22 map 1		0000000000000000	
P.0604	Output #22 map 2		0000000000000000	
P.0605	Output #24 map 1		0000000000000000	
P.0606	Output #24 map 2		0000000000000000	
P.0607	Output #40 map 1		0000000000000000	
P.0608	Output #40 map 2		0000000000000000	
P.0609	Output #41 map 1		0000000000000000	
P.0610	Output #41 map 2		0000000000000000	
P.0611	Output #42 map 1		0000000000000000	
P.0612	Output #42 map 2		0000000000000000	
P.0613	Output #43 map 1		0000000000000000	
P.0614	Output #43 map 2		0003000000000000	
			OFF/RESET	
			MAN	
P.0615	Output #44 map 1		0000000000000000	
P.0616	Output #44 map 2		0000000000000000	
P.0617	Output #45 map 1		0000000000000000	
P.0618	Output #45 map 2		0000000000000000	
P.0619	Output #46 map 1		0000000000000000	
P.0620	Output #46 map 2		0000000000000000	
P.0621	Output #47 map 1		0000000000000000	
P.0622	Output #47 map 2		0000000000000000	

Job : 6608-2  
 Note : SERIAL N. 080168  
 Board : DST4601 E610202860600 (xx.17) ID:

Date: 30/10/2008 16.19.05

Paramete	Description	U.M.	Value	Note
P.0001	Maker password		0	
P.0002	System password		0	
P.0003	User password		0	
P.0101	Generator number of phases		3	
P.0102	Generator nominal voltage	V	11000	
P.0103	Generator TV primary voltage	V	17500	
P.0104	Generator TV secondary voltage	V	160	
P.0105	Generator nominal frequency	Hz	50	
P.0106	Generator nominal power	kVA	2875	
P.0107	Generator TA ratio	/5A	1000	
P.0108	Auxiliary current transformer primary	/5A	0	
P.0109	Auxiliary current transformer type		0-Not used	
P.0110	Pick-up wheel teeth number		0	
P.0111	W ratio		0,00	
P.0112	Oil pressure sensor type		0-None	
P.0113	Coolant temperature sensor type		0-None	
P.0114	Fuel level sensor type		0-No	
P.0115	D+ input enable		1-Yes	
P.0116	Mains nominal voltage	V	400	
P.0117	Mains TV primary voltage	V	0	
P.0118	Mains TV secondary voltage	V	0	
P.0201	Mains voltage hysteresis	% nom	2,5	
P.0202	Generator voltage hysteresis	% nom	2,5	
P.0203	Mains low voltage threshold	% nom	80,0	
P.0204	Mains high voltage threshold	% nom	110,0	
P.0205	Mains presence delay	s	30	
P.0206	Mains fault delay	s	2	
P.0207	Inhibition activation delay	s	30	
P.0208	Inhibition deactivation delay	s	2	
P.0209	Preheat cycle duration	s	0	
P.0210	Starter pulse duration	s	5	
P.0211	Number of crank attempts		3	
P.0212	Time between two crank attempts	s	5	
P.0213	Stop pulse duration	s	40	
P.0214	Stop cycle duration	s	40	
P.0215	Cooling cycle duration	s	120	
P.0216	Engine protection mask time	s	15	
P.0217	Operating conditions maximum time	s	30	
P.0218	Delay before supply	s	5	
P.0219	Contactors swap delay	s	2	
P.0220	Contactors holding time	s	6	
P.0221	Enable generator supply on MCB failure		0-No	
P.0222	Enable generator supply on TEST		0-No	
P.0223	Minimum rated coolant temperature	°C	0	
P.0224	Engine stopped threshold (rpm)	rpm	100	
P.0225	Engine running threshold (rpm)	rpm	300	
P.0226	Engine stopped threshold (V)	V	70	
P.0227	Engine running threshold (V)	V	80	
P.0228	Engine stopped threshold (Hz)	Hz	0	
P.0229	Engine running threshold (Hz)	Hz	0	
P.0230	Engine stopped threshold (D+)	% Vbatt	25,0	
P.0231	Engine running threshold (D+)	% Vbatt	67,0	
P.0232	Engine running from oil pressure contacts		0-No	
P.0301	Minimum voltage threshold	% nom	75,0	
P.0302	Minimum voltage delay	s	3	
P.0303	Maximum voltage threshold	% nom	112,5	
P.0304	Maximum voltage delay	s	3	
P.0305	Minimum frequency threshold	% nom	90,0	
P.0306	Minimum frequency delay	s	5	
P.0307	Maximum frequency threshold	% nom	110,0	
P.0308	Maximum frequency delay	s	5	
P.0309	Maximum current threshold	% nom	115,0	
P.0310	Maximum current delay	s	10	
P.0311	Short circuit threshold	% nom	500	
P.0312	Short circuit delay	s	0,5	
P.0313	Power reverse threshold	% nom	5,0	
P.0314	Power reverse delay	s	0	
P.0315	Voltages unbalance threshold	% nom	2,5	
P.0316	Voltages unbalance delay	s	0	
P.0317	Currents unbalance threshold	% nom	5,0	
P.0318	Currents unbalance delay	s	0	
P.0331	Over speed (from frequency) threshold	% nom	120,0	

Paramete	Description	U.M.	Value	Note
P.0332	Over speed (from frequency) delay	s	0,5	
P.0333	Over speed (from pick-up) threshold	rpm	0	
P.0334	Over speed (from pick-up) delay	s	0,0	
P.0335	High coolant temperature threshold	°C	102	
P.0336	High coolant temperature delay	s	2	
P.0337	Maximum coolant temperature threshold	°C	104	
P.0338	Maximum coolant temperature delay	s	2	
P.0339	Low oil pressure threshold	Bar	4,0	
P.0340	Low oil pressure delay	s	2	
P.0341	Minimum oil pressure threshold	Bar	3,5	
P.0342	Minimum oil pressure delay	s	2	
P.0343	High fuel level threshold	%	90	
P.0344	High fuel level delay	s	2	
P.0345	Low fuel level threshold	%	10	
P.0346	Low fuel level delay	s	2	
P.0347	Minimum fuel level threshold	%	5	
P.0348	Minimum fuel level delay	s	20	
P.0349	Belt break delay (engine's battery-charger f	s	20	
P.0361	EMERGENCY STOP (03) input delay	s	0,5	
P.0362	Low battery voltage threshold	% nom	96,7	
P.0363	Low battery voltage delay	s	40	
P.0364	High battery voltage threshold	% nom	125,0	
P.0365	High battery voltage delay	s	40	
P.0366	High board temperature threshold	°C	65,0	
P.0367	Maximum auxiliary current threshold	A	0,0	
P.0368	Maximum auxiliary current delay	s	0,0	
P.0401	Fuel pump sensor type		1-Digital sensor	
P.0402	Fuel pump start threshold	%	15	
P.0403	Fuel pump stop threshold	%	80	
P.0418	Test enable days		0	
P.0419	Test start time	hh:nn	00.00	
P.0420	Test duration	min	0	
P.0421	Generator enable days		127	
P.0422	Generator enable start time	hh:nn	00.00	
P.0423	Generator enable stop time	hh:nn	00.00	
P.0424	Service interval	hh	0	
P.0425	Service function type		1-Warning	
P.0441	Event logging mode		0-Alarms	
P.0442	Analogue fast logging interval	s	60	
P.0443	Analogue slow logging interval	min	30	
P.0451	Serial link type		0-Rs232/Rs485	
P.0452	Device address		1	
P.0453	Baud Rate	Bps	9600	
P.0454	Settings		0-8 bit, no parity, 1 stop	
P.0455	Communication events		0	
P.0456	Plant name		6608	
P.0457	Phone number (1)			
P.0458	Phone type (1)		0-Not used	
P.0459	Phone number (2)			
P.0460	Phone type (2)		0-Not used	
P.0461	Phone number (3)			
P.0462	Phone type (3)		0-Not used	
P.0463	Phone number (4)			
P.0464	Phone type (4)		0-Not used	
P.0465	Dial mode		T-By tones	
P.0466	Number of ring before answer		1	
P.0467	Number of SMS for each event		1	
P.0468	Number of try for data calls		1	
P.0481	Load function type		0-Low load	
P.0482	Initial delay	s	5	
P.0483	Low power threshold	% nom	0,0	
P.0484	Low power delay	s	60	
P.0485	High power threshold	% nom	0,0	
P.0486	High power delay	s	3	
P.0491	Horn duration	s	60	
P.0492	Screen saver delay	s	999	
P.0501	Input #01 function	s	0,5	
P.0502	Input #01 delay		HIGH OIL TEMPERATURE	
P.0503	Input #02 function	s	1	
P.0504	Input #02 delay		DIODE FAILURE	
P.0505	Input #04 function	s	0,5	
P.0506	Input #04 delay		ENG.LOW WATER LEV.	
P.0507	Input #07 function		1-Warning	
P.0508	Input #07 delay	s	2	
P.0509	Input #07 message		AFT.LOW WATER LEV.	
P.0510	Input #08 function		3-Alarm	
P.0511	Input #08 delay	s	15	
P.0512	Input #08 message		ENG.MIN WATER LEV.	

Paramete	Description	U.M.	Value	Note
P.0513	Input #09 function		3-Alarm	
P.0514	Input #09 delay	s	2	
P.0515	Input #09 message		AFT.MIN.WATER LEV.	
P.0516	Input #10 function		1-Warning	
P.0517	Input #10 delay	s	15	
P.0518	Input #10 message		ELECTRIC FAN TRIP	
P.0519	Input #11 function		3-Alarm	
P.0520	Input #11 delay	s	1	
P.0521	Input #11 message		EL.PROTECTION OPERATED	
P.0522	Input #12 function		1-Warning	
P.0523	Input #12 delay	s	1	
P.0524	Input #12 message		HIGH GEN.TEMP	
P.0525	Input #13 function		3-Alarm	
P.0526	Input #13 delay	s	1	
P.0527	Input #13 message		MAX GENERATOR TEMP	
P.0528	Input #14 function		17-Overload	
P.0529	Input #14 delay	s	1	
P.0530	Input #14 message		TRIP FROM SWITCHGEAR	
P.0531	Input #15 function		1-Warning	
P.0532	Input #15 delay	s	1	
P.0533	Input #15 message		AUX.CIRC.BREAKER TRIP	
P.0534	Input #16 function		8-Minimum fuel level	
P.0535	Input #16 delay	s	20	
P.0536	Input #16 message		(IN #16)	
P.0537	Input #17 function		9-Low fuel level	
P.0538	Input #17 delay	s	2	
P.0539	Input #17 message		(IN #17)	
P.0540	Input #18 function		1-Warning	
P.0541	Input #18 delay	s	1	
P.0542	Input #18 message		WATER IN FUEL	
P.0543	Input #19 function		3-Alarm	
P.0544	Input #19 delay	s	1	
P.0545	Input #19 message		EXTERNAL EMERGENCY	
P.0546	Input #20 function		12-High fuel level	
P.0547	Input #20 delay	s	2	
P.0548	Input #20 message		(IN #20)	
P.0581	Output #45 function		9-Generator alarms	
P.0582	Output #46 function		18-Or alarms	
P.0583	Output #47 function		8-Engine running	
P.0584	Output #21 function		3-Fuel pump	
P.0585	Output #22 function		12-Fuel alarms	
P.0586	Output #40 function		8-Engine running	
P.0587	Output #41 function		18-Or alarms	
P.0588	Output #42 function		7-Generator in thresholds	
P.0589	Output #43 function		22-Bit mapped	
P.0590	Output #44 function		10-Engine alarms	
P.0591	Output #24 function		16-Stop solenoid	
P.0601	Output #21 map 1		0000000000000000	
P.0602	Output #21 map 2		0000000000000000	
P.0603	Output #22 map 1		0000000000000000	
P.0604	Output #22 map 2		0000000000000000	
P.0605	Output #24 map 1		0000000000000000	
P.0606	Output #24 map 2		0000000000000000	
P.0607	Output #40 map 1		0000000000000000	
P.0608	Output #40 map 2		0000000000000000	
P.0609	Output #41 map 1		0000000000000000	
P.0610	Output #41 map 2		0000000000000000	
P.0611	Output #42 map 1		0000000000000000	
P.0612	Output #42 map 2		0000000000000000	
P.0613	Output #43 map 1		0000000000000000	
P.0614	Output #43 map 2		0003000000000000	
			OFF/RESET	
			MAN	
P.0615	Output #44 map 1		0000000000000000	
P.0616	Output #44 map 2		0000000000000000	
P.0617	Output #45 map 1		0000000000000000	
P.0618	Output #45 map 2		0000000000000000	
P.0619	Output #46 map 1		0000000000000000	
P.0620	Output #46 map 2		0000000000000000	
P.0621	Output #47 map 1		0000000000000000	
P.0622	Output #47 map 2		0000000000000000	

Job : 6608-3  
 Note : SERIAL N. 080167  
 Board : DST4601 E610202860600 (xx.17) ID:

Date: 30/10/2008 16.20.32

Paramete	Description	U.M.	Value	Note
P.0001	Maker password		0	
P.0002	System password		0	
P.0003	User password		0	
P.0101	Generator number of phases		3	
P.0102	Generator nominal voltage	V	11000	
P.0103	Generator TV primary voltage	V	17500	
P.0104	Generator TV secondary voltage	V	160	
P.0105	Generator nominal frequency	Hz	50	
P.0106	Generator nominal power	kVA	2875	
P.0107	Generator TA ratio	/5A	1000	
P.0108	Auxiliary current transformer primary	/5A	0	
P.0109	Auxiliary current transformer type		0-Not used	
P.0110	Pick-up wheel teeth number		0	
P.0111	W ratio		0,00	
P.0112	Oil pressure sensor type		0-None	
P.0113	Coolant temperature sensor type		0-None	
P.0114	Fuel level sensor type		0-No	
P.0115	D+ input enable		1-Yes	
P.0116	Mains nominal voltage	V	400	
P.0117	Mains TV primary voltage	V	0	
P.0118	Mains TV secondary voltage	V	0	
P.0201	Mains voltage hysteresis	% nom	2,5	
P.0202	Generator voltage hysteresis	% nom	2,5	
P.0203	Mains low voltage threshold	% nom	80,0	
P.0204	Mains high voltage threshold	% nom	110,0	
P.0205	Mains presence delay	s	30	
P.0206	Mains fault delay	s	2	
P.0207	Inhibition activation delay	s	30	
P.0208	Inhibition deactivation delay	s	2	
P.0209	Preheat cycle duration	s	0	
P.0210	Starter pulse duration	s	5	
P.0211	Number of crank attempts		3	
P.0212	Time between two crank attempts	s	5	
P.0213	Stop pulse duration	s	40	
P.0214	Stop cycle duration	s	40	
P.0215	Cooling cycle duration	s	120	
P.0216	Engine protection mask time	s	15	
P.0217	Operating conditions maximum time	s	30	
P.0218	Delay before supply	s	5	
P.0219	Contactors swap delay	s	2	
P.0220	Contactors holding time	s	6	
P.0221	Enable generator supply on MCB failure		0-No	
P.0222	Enable generator supply on TEST		0-No	
P.0223	Minimum rated coolant temperature	°C	0	
P.0224	Engine stopped threshold (rpm)	rpm	100	
P.0225	Engine running threshold (rpm)	rpm	300	
P.0226	Engine stopped threshold (V)	V	70	
P.0227	Engine running threshold (V)	V	80	
P.0228	Engine stopped threshold (Hz)	Hz	0	
P.0229	Engine running threshold (Hz)	Hz	0	
P.0230	Engine stopped threshold (D+)	% Vbatt	25,0	
P.0231	Engine running threshold (D+)	% Vbatt	67,0	
P.0232	Engine running from oil pressure contacts		0-No	
P.0301	Minimum voltage threshold	% nom	75,0	
P.0302	Minimum voltage delay	s	3	
P.0303	Maximum voltage threshold	% nom	112,5	
P.0304	Maximum voltage delay	s	3	
P.0305	Minimum frequency threshold	% nom	90,0	
P.0306	Minimum frequency delay	s	5	
P.0307	Maximum frequency threshold	% nom	110,0	
P.0308	Maximum frequency delay	s	5	
P.0309	Maximum current threshold	% nom	115,0	
P.0310	Maximum current delay	s	10	
P.0311	Short circuit threshold	% nom	500	
P.0312	Short circuit delay	s	0,5	
P.0313	Power reverse threshold	% nom	5,0	
P.0314	Power reverse delay	s	0	
P.0315	Voltages unbalance threshold	% nom	2,5	
P.0316	Voltages unbalance delay	s	0	
P.0317	Currents unbalance threshold	% nom	5,0	
P.0318	Currents unbalance delay	s	0	
P.0331	Over speed (from frequency) threshold	% nom	120,0	

Paramete	Description	U.M.	Value	Note
P.0332	Over speed (from frequency) delay	s	0,5	
P.0333	Over speed (from pick-up) threshold	rpm	0	
P.0334	Over speed (from pick-up) delay	s	0,0	
P.0335	High coolant temperature threshold	°C	102	
P.0336	High coolant temperature delay	s	2	
P.0337	Maximum coolant temperature threshold	°C	104	
P.0338	Maximum coolant temperature delay	s	2	
P.0339	Low oil pressure threshold	Bar	4,0	
P.0340	Low oil pressure delay	s	2	
P.0341	Minimum oil pressure threshold	Bar	3,5	
P.0342	Minimum oil pressure delay	s	2	
P.0343	High fuel level threshold	%	90	
P.0344	High fuel level delay	s	2	
P.0345	Low fuel level threshold	%	10	
P.0346	Low fuel level delay	s	2	
P.0347	Minimum fuel level threshold	%	5	
P.0348	Minimum fuel level delay	s	20	
P.0349	Belt break delay (engine's battery-charger f	s	20	
P.0361	EMERGENCY STOP (03) input delay	s	0,5	
P.0362	Low battery voltage threshold	% nom	96,7	
P.0363	Low battery voltage delay	s	40	
P.0364	High battery voltage threshold	% nom	125,0	
P.0365	High battery voltage delay	s	40	
P.0366	High board temperature threshold	°C	65,0	
P.0367	Maximum auxiliary current threshold	A	0,0	
P.0368	Maximum auxiliary current delay	s	0,0	
P.0401	Fuel pump sensor type		1-Digital sensor	
P.0402	Fuel pump start threshold	%	15	
P.0403	Fuel pump stop threshold	%	80	
P.0418	Test enable days		0	
P.0419	Test start time	hh:nn	00.00	
P.0420	Test duration	min	0	
P.0421	Generator enable days		127	
P.0422	Generator enable start time	hh:nn	00.00	
P.0423	Generator enable stop time	hh:nn	00.00	
P.0424	Service interval	hh	0	
P.0425	Service function type		1-Warning	
P.0441	Event logging mode		0-Alarms	
P.0442	Analogue fast logging interval	s	60	
P.0443	Analogue slow logging interval	min	30	
P.0451	Serial link type		0-Rs232/Rs485	
P.0452	Device address		1	
P.0453	Baud Rate	Bps	9600	
P.0454	Settings		0-8 bit, no parity, 1 stop	
P.0455	Communication events		0	
P.0456	Plant name		6608	
P.0457	Phone number (1)			
P.0458	Phone type (1)		0-Not used	
P.0459	Phone number (2)			
P.0460	Phone type (2)		0-Not used	
P.0461	Phone number (3)			
P.0462	Phone type (3)		0-Not used	
P.0463	Phone number (4)			
P.0464	Phone type (4)		0-Not used	
P.0465	Dial mode		T-By tones	
P.0466	Number of ring before answer		1	
P.0467	Number of SMS for each event		1	
P.0468	Number of try for data calls		1	
P.0481	Load function type		0-Low load	
P.0482	Initial delay	s	5	
P.0483	Low power threshold	% nom	0,0	
P.0484	Low power delay	s	60	
P.0485	High power threshold	% nom	0,0	
P.0486	High power delay	s	3	
P.0491	Horn duration	s	60	
P.0492	Screen saver delay	s	999	
P.0501	Input #01 function	s	0,5	
P.0502	Input #01 delay		HIGH OIL TEMPERATURE	
P.0503	Input #02 function	s	1	
P.0504	Input #02 delay		DIODE FAILURE	
P.0505	Input #04 function	s	0,5	
P.0506	Input #04 delay		ENG.LOW WATER LEV.	
P.0507	Input #07 function		1-Warning	
P.0508	Input #07 delay	s	2	
P.0509	Input #07 message		AFT.LOW WATER LEV.	
P.0510	Input #08 function		3-Alarm	
P.0511	Input #08 delay	s	15	
P.0512	Input #08 message		ENG.MIN WATER LEV.	

Paramete	Description	U.M.	Value	Note
P.0513	Input #09 function		3-Alarm	
P.0514	Input #09 delay	s	2	
P.0515	Input #09 message		AFT.MIN.WATER LEV.	
P.0516	Input #10 function		1-Warning	
P.0517	Input #10 delay	s	15	
P.0518	Input #10 message		ELECTRIC FAN TRIP	
P.0519	Input #11 function		3-Alarm	
P.0520	Input #11 delay	s	1	
P.0521	Input #11 message		EL.PROTECTION OPERATED	
P.0522	Input #12 function		1-Warning	
P.0523	Input #12 delay	s	1	
P.0524	Input #12 message		HIGH GEN.TEMP	
P.0525	Input #13 function		3-Alarm	
P.0526	Input #13 delay	s	1	
P.0527	Input #13 message		MAX GENERATOR TEMP	
P.0528	Input #14 function		17-Overload	
P.0529	Input #14 delay	s	1	
P.0530	Input #14 message		TRIP FROM SWITCHGEAR	
P.0531	Input #15 function		1-Warning	
P.0532	Input #15 delay	s	1	
P.0533	Input #15 message		AUX.CIRC.BREAKER TRIP	
P.0534	Input #16 function		8-Minimum fuel level	
P.0535	Input #16 delay	s	20	
P.0536	Input #16 message		(IN #16)	
P.0537	Input #17 function		9-Low fuel level	
P.0538	Input #17 delay	s	2	
P.0539	Input #17 message		(IN #17)	
P.0540	Input #18 function		1-Warning	
P.0541	Input #18 delay	s	1	
P.0542	Input #18 message		WATER IN FUEL	
P.0543	Input #19 function		3-Alarm	
P.0544	Input #19 delay	s	1	
P.0545	Input #19 message		EXTERNAL EMERGENCY	
P.0546	Input #20 function		12-High fuel level	
P.0547	Input #20 delay	s	2	
P.0548	Input #20 message		(IN #20)	
P.0581	Output #45 function		9-Generator alarms	
P.0582	Output #46 function		18-Or alarms	
P.0583	Output #47 function		8-Engine running	
P.0584	Output #21 function		3-Fuel pump	
P.0585	Output #22 function		12-Fuel alarms	
P.0586	Output #40 function		8-Engine running	
P.0587	Output #41 function		18-Or alarms	
P.0588	Output #42 function		7-Generator in thresholds	
P.0589	Output #43 function		22-Bit mapped	
P.0590	Output #44 function		10-Engine alarms	
P.0591	Output #24 function		16-Stop solenoid	
P.0601	Output #21 map 1		0000000000000000	
P.0602	Output #21 map 2		0000000000000000	
P.0603	Output #22 map 1		0000000000000000	
P.0604	Output #22 map 2		0000000000000000	
P.0605	Output #24 map 1		0000000000000000	
P.0606	Output #24 map 2		0000000000000000	
P.0607	Output #40 map 1		0000000000000000	
P.0608	Output #40 map 2		0000000000000000	
P.0609	Output #41 map 1		0000000000000000	
P.0610	Output #41 map 2		0000000000000000	
P.0611	Output #42 map 1		0000000000000000	
P.0612	Output #42 map 2		0000000000000000	
P.0613	Output #43 map 1		0000000000000000	
P.0614	Output #43 map 2		0003000000000000	
			OFF/RESET	
			MAN	
P.0615	Output #44 map 1		0000000000000000	
P.0616	Output #44 map 2		0000000000000000	
P.0617	Output #45 map 1		0000000000000000	
P.0618	Output #45 map 2		0000000000000000	
P.0619	Output #46 map 1		0000000000000000	
P.0620	Output #46 map 2		0000000000000000	
P.0621	Output #47 map 1		0000000000000000	
P.0622	Output #47 map 2		0000000000000000	