Column1	text number	Group	Alarm number	Alarm Text	Alarm Text2	Type	Xc1004	Xc2003	Xc4004	Xc3003-4003
v1.1.1	12521	1000	1101	Twin Unit Missing	Twin Unit Missing		N	N	Y	
v1.1.1	12519	1000	1102	Twin Unit Alarm Active	Twin Unit Alarm Active		N	N	Y	
v1.1.1	12520	1000	1103	Twin Unit Stopped Alarm	Twin Unit Stopped Alarm		N	N	Y	
v1.1.1	12508	1000	1156	Breaker Fault	Breaker Fault		N	N	Y	
x	12494	1000	1157	OilXpert Homing Fault	OilXpert Homing Fault	Controller	N	N	Y	
x	12495	1000	1158	AirXpert Homing Fault	AirXpert Homing Fault		N	N	Y	
v1.1.1	12509	1000	1159	Breaker Status	Breaker Status		N	N	Y	
x	12493	1000	1190	ECU Overrule active	ECU Overrule active		N	Y	Y	
x	12411	1000	1230	Fuel Fill Alarm / Pump Logic Disabled	Fuel Fill Alarm / Pump Logic Disabled		N	N	Y	
x	12412	1000	1270	DEF Fill Alarm / DEF Fill Logic Disabled	DEF Fill Alarm / DEF Fill Logic Disabled		N	N	Y	
x	12170	1000	1500	Initial service alarm	Initial service alarm		Y	Y	Y	
x	12492	1000	1760	Condensation being formed	Condensation being formed		N	N	Y	
x		2000				Emergency stop has been activated	Y	Y	Y	
	12410	2000	2000	Emergency Stop	Emergency Stop	Controller is missing reference voltage to Emergency Stop Input				
v1.1.1	12510	2000	2005	Immediate Stop	Immediate Stop		N	N	Y	
x	12172	2000	2010	Low pumper oil pressure alarm	Low pumper oil pressure alarm		N	N	Y	
		2000	2010	Coolant Temperature	Coolant Temperature		Y	N	N	
		2000	2010	Conf digital input 1 alarm	Conf digital input 1 alarm		N	Y	N	
		2000	2020	Conf digital input 2 alarm	Conf digital input 2 alarm		N	Y	N	
		2000	2020	Engine Oil Pressure Alarm	Engine Oil Pressure Alarm		Y	N	N	
		2000	2030	Conf digital input 3 alarm	Conf digital input 3 alarm		N	Y	N	
		2000	2030	Engine Coolant Level	Engine Coolant Level		Y	N	N	
		2000	2040	Conf digital input 4 alarm	Conf digital input 4 alarm		N	Y	N	
		2000	2040	Compressor Element Temperature	Compressor Element Temperature		Y	N	N	
		2000	2050	Conf digital input 5 alarm	Conf digital input 5 alarm		N	Y	N	
		2000	2060	Conf digital input 6 alarm	Conf digital input 6 alarm		N	Y	N	
x	12043	2000	2420	Emergency Run	Emergency Run		N	N	Y	
x	12115	2000	2910	MPU input alarm	MPU input alarm		Y	Y	Y	
x	12010	3000	3000	Fuel level low 1	Fuel level low 1	The Fuel Level has dropped below the Fuel Level Low 1 setting	Y	Y	Y	
x	12011	3000	3010	Fuel level low 2	Fuel level low 2	The Fuel Level has dropped below the Fuel Level Low 2 setting	Y	Y	Y	
x	12496	3000	3050	Working pressure high warning	Working pressure high warning	OFS	N	N	Y	
x	12012	3000	3050	Vessel pressure high warning	Vessel pressure high warning	OIS	Y	Y	Y	
x	12497	3000	3055	Working pressure high warning 2	Working pressure high warning 2	OFS	N	N	Y	
x	12159	3000	3055	Vessel pressure high warning 2	Vessel pressure high warning 2	OIS	N	Y	Y	
x	12498	3000	3060	Working pressure high shutdown	Working pressure high shutdown	OFS	N	N	Y	
x	12013	3000	3060	Vessel pressure high shutdown	Vessel pressure high shutdown	OIS	Y	Y	Y	
x	12499	3000	3065	Working pressure high shutdown 2	Working pressure high shutdown 2	OFS	N	N	Y	
x	12158	3000	3065	Vessel pressure high shutdown 2	Vessel pressure high shutdown 2	OIS	N	Y	Y	
x	12500	3000	3080	Working pressure sensor circuit	Working pressure sensor circuit	OFS	N	N	Y	
x	12002	3000	3080	Vessel pressure sensor circuit	Vessel pressure sensor circuit	OIS	Y	Y	Y	Y
x	12340	3000	3100	Regulating pressure alarm 1	Regulating pressure alarm 1		N	N	Y	
x	12341	3000	3110	Regulating pressure alarm 2	Regulating pressure alarm 2		N	N	Y	
x	12003	3000	3130	Regulating pressure sensor circuit	Regulating pressure sensor circuit		Y	Y	Y	Y
x	12014	3000	3150	Air discharge pressure alarm 1	Air discharge pressure alarm 1		N	Y	Y	
x	12015	3000	3160	Air discharge pressure alarm 2	Air discharge pressure alarm 2		N	Y	Y	
x	12004	3000	3170	Air discharge pressure circuit	Air discharge pressure circuit		N	Y	Y	Y
x	12342	3000	3200	Oil level alarm 1	Oil level alarm 1		N	N	Y	
x	12343	3000	3210	Oil level alarm 2	Oil level alarm 2		N	N	Y	
x	12344	3000	3220	Oil level sensor circuit	Oil level sensor circuit		N	N	Y	
x	12345	3000	3250	Pressure dewpoint alarm 1	Pressure dewpoint alarm 1		N	N	Y	
x	12346	3000	3260	Pressure dewpoint alarm 2	Pressure dewpoint alarm 2		N	N	Y	
x	12347	3000	3270	Pressure dewpoint sensor circuit	Pressure dewpoint sensor circuit		N	N	Y	
x	12348	3000	3300	Inlet pressure alarm 1	Inlet pressure alarm 1		N	N	Y	
x	12349	3000	3310	Inlet pressure alarm 2	Inlet pressure alarm 2		N	N	Y	
x	12144	3000	3330	INLET PRESSURE SENSOR ALARM	INLET PRESSURE SENSOR ALARM		N	Y	Y	
x	12350	3000	3350	Suction pressure alarm 1	Suction pressure alarm 1		N	N	Y	
x	12351	3000	3360	Suction pressure alarm 2	Suction pressure alarm 2		N	N	Y	
x	12352	3000	3370	Suction pressure sensor circuit	Suction pressure sensor circuit		N	N	Y	
x	12353	3000	3400	Pumper oil pressure alarm 1	Pumper oil pressure alarm 1		N	N	Y	
x	12354	3000	3410	Pumper oil pressure alarm 2	Pumper oil pressure alarm 2		N	N	Y	
x	12355	3000	3420	Pumper oil pressure sensor circuit	Pumper oil pressure sensor circuit		N	N	Y	
x	12016	3000	3450	Battery low alarm	Battery low alarm		Y	Y	Y	
v1.1.1	12523	3000	3455	Low battery voltage during last crank	Low battery voltage during last crank		N	Y	Y	
x	12017	3000	3460	Battery high alarm	Battery high alarm		Y	Y	Y	
x	12356	3000	3500	Interstage pressure 1 alarm 1	Interstage pressure 1 alarm 1		N	N	Y	
		3000	3500	Conf voltage input 1 alarm 1	Conf voltage input 1 alarm 1		N	Y	N	
x	12357	3000	3510	Interstage pressure 1 alarm 2	Interstage pressure 1 alarm 2		N	N	Y	
		3000	3510	Conf voltage input 1 alarm 2	Conf voltage input 1 alarm 2		N	Y	N	
		3000	3520	Conf voltage input 1 sensor circuit	Conf voltage input 1 sensor circuit		N	Y	N	
x	12358	3000	3530	Interstage pressure 1 sensor circuit	Interstage pressure 1 sensor circuit		N	N	Y	
		3000	3540	Conf voltage input 2 alarm 1	Conf voltage input 2 alarm 1		N	Y	N	
x	12359	3000	3550	Interstage pressure 2 alarm 1	Interstage pressure 2 alarm 1		N	N	Y	
x	12360	3000	3560	Interstage pressure 2 alarm 2	Interstage pressure 2 alarm 2		N	N	Y	
		3000	3560	Conf voltage input 2 alarm 2	Conf voltage input 2 alarm 2		N	Y	N	
		3000	3570	Conf voltage input 2 sensor circuit	Conf voltage input 2 sensor circuit		N	Y	N	
x	12361	3000	3580	Interstage pressure 2 sensor circuit	Interstage pressure 2 sensor circuit		N	N	Y	
x	12362	3000	3600	Interstage pressure 3 alarm 1	Interstage pressure 3 alarm 1		N	N	Y	
x	12363	3000	3610	Interstage pressure 3 alarm 2	Interstage pressure 3 alarm 2		N	N	Y	
x	12364	3000	3630	Interstage pressure 3 sensor circuit	Interstage pressure 3 sensor circuit		N	N	Y	
v1.1.1	12525	3000	3650				N	N	Y	

v1.1.1	12526	3000	3660				N	N	Y		
v1.1.1	12524	3000	3680				N	N	Y		
x	12018	4000	4000	L.P. Element temp. alarm 1	L.P. Element temp. alarm 1	2 stage	Y	Y	Y		
v1.1.1	12579	4000	4000			single stage 2 elements	Y	N	Y		
x	12019	4000	4010	L.P. Element temp. alarm 2	L.P. Element temp. alarm 2	2 stage	Y	Y	Y		
v1.1.1	12580	4000	4010			single stage 2 elements	Y	N	Y		
x	12020	4000	4020	L.P. Element temp. alarm 3	L.P. Element temp. alarm 3	2 stage	Y	Y	Y		
v1.1.1	12581	4000	4020			single stage 2 elements	Y	N	Y		
x	12005	4000	4040	L.P. Element temp. sensor circuit	L.P. Element temp. sensor circuit		Y	Y	Y		Y
v1.1.1	12582	4000	4040			single stage 2 elements	Y	N	Y		
x	12021	4000	4050	Ambient temp. alarm 1	Ambient temp. alarm 1		N	Y	Y		
		4000	4050	Engine coolant temp alarm1	Engine coolant temp alarm1		Y	N	N		
x	12022	4000	4060	Ambient temp. alarm 2	Ambient temp. alarm 2		N	Y	Y		
		4000	4060	Engine coolant temp alarm2	Engine coolant temp alarm2		Y	N	N		
x	12006	4000	4070	Ambient temp. sensor circuit	Ambient temp. sensor circuit		N	Y	Y		Y
		4000	4070	Engine coolant temp sensor circuit	Engine coolant temp sensor circuit		Y	N	N		
x	12023	4000	4100	Air discharge temp. alarm 1	Air discharge temp. alarm 1		N	Y	Y		
x	12024	4000	4110	Air discharge temp. alarm 2	Air discharge temp. alarm 2		N	Y	Y		
x	12007	4000	4120	Air discharge temp. sensor circuit	Air discharge temp. sensor circuit		N	Y	Y		Y
x	12025	4000	4150	H.P. Element temp. alarm 1	H.P. Element temp. alarm 1		Y	Y	Y		
v1.1.1	12583	4000	4150			single stage 2 elements	Y	N	Y		
x	12026	4000	4160	H.P. Element temp. alarm 2	H.P. Element temp. alarm 2		Y	Y	Y		
v1.1.1	12584	4000	4160			single stage 2 elements	Y	N	Y		
x	12027	4000	4170	H.P. Element temp. alarm 3	H.P. Element temp. alarm 3		Y	Y	Y		
v1.1.1	12585	4000	4170			single stage 2 elements	Y	N	Y		
x	12008	4000	4190	H.P. Element temp. sensor circuit	H.P. Element temp. sensor circuit	The High Pressure Element Temperature Sensor wiring is monitored for shortcircuit and wirebreak.	Y	Y	Y		
v1.1.1	12586	4000	4190			single stage 2 elements	Y	N	Y		
x	12028	4000	4200	Aftercooler air temp. alarm 1	Aftercooler air temp. alarm 1		N	Y	Y		
x	12029	4000	4210	Aftercooler air temp. alarm 2	Aftercooler air temp. alarm 2		N	Y	Y		
x	12009	4000	4220	Aftercooler air temp. sensor circuit	Aftercooler air temp. sensor circuit		N	Y	Y		
x	12030	4000	4230	Aftercooler freezing danger	Aftercooler freezing danger		N	Y	Y		
x	12405	4000	4240	Ambient temp alarm	Ambient temp alarm		N	Y	Y		
x	12406	4000	4250	Suction air temp alarm 1	Suction air temp alarm 1		N	N	Y		
x	12407	4000	4260	Suction air temp alarm 2	Suction air temp alarm 2		N	N	Y		
x	12408	4000	4270	Suction air temp sensor circuit	Suction air temp sensor circuit		N	N	Y		
x	12401	4000	4300	M.P. Element temp. alarm 1	M.P. Element temp. alarm 1		N	N	Y		
		4000	4300	Conf temp input 1 alarm 1	Conf temp input 1 alarm 1		N	Y	N		
x	12402	4000	4310	M.P. Element temp. alarm 2	M.P. Element temp. alarm 2		N	N	Y		
		4000	4310	Conf temp input 1 alarm 2	Conf temp input 1 alarm 2		N	Y	N		
x	12403	4000	4320	M.P. Element temp. alarm 3	M.P. Element temp. alarm 3		N	N	Y		
		4000	4320	Conf temp input 1 sensor circuit	Conf temp input 1 sensor circuit		N	Y	N		
x	12404	4000	4340	M.P. Element temp. sensor circuit	M.P. Element temp. sensor circuit		N	N	Y		
		4000	4350	Conf temp input 2 alarm 1	Conf temp input 2 alarm 1		N	Y	N		
v1.1.1	12506	4000	4350				N	N	Y		
		4000	4360	Conf temp input 2 alarm 2	Conf temp input 2 alarm 2		N	Y	N		
v1.1.1	12507	4000	4360				N	N	Y		
		4000	4370	Conf temp input 2 sensor circuit	Conf temp input 2 sensor circuit		N	Y	N		
v1.1.1	12505	4000	4370				N	N	Y		
x	12365	4000	4400	Cylinder 1 temp. alarm 1	Cylinder 1 temp. alarm 1		N	N	Y		
x	12366	4000	4410	Cylinder 1 temp. alarm 2	Cylinder 1 temp. alarm 2		N	N	Y		
x	12389	4000	4420	Cylinder 1 temp. sensor circuit	Cylinder 1 temp. sensor circuit		N	N	Y		
x	12367	4000	4450	Cylinder 2 temp. alarm 1	Cylinder 2 temp. alarm 1		N	N	Y		
x	12368	4000	4460	Cylinder 2 temp. alarm 2	Cylinder 2 temp. alarm 2		N	N	Y		
x	12390	4000	4470	Cylinder 2 temp. sensor circuit	Cylinder 2 temp. sensor circuit		N	N	Y		
x	12369	4000	4500	Cylinder 3 temp. alarm 1	Cylinder 3 temp. alarm 1		N	N	Y		
x	12370	4000	4510	Cylinder 3 temp. alarm 2	Cylinder 3 temp. alarm 2		N	N	Y		
x	12391	4000	4520	Cylinder 3 temp. sensor circuit	Cylinder 3 temp. sensor circuit		N	N	Y		
x	12371	4000	4550	Cylinder 4 temp. alarm 1	Cylinder 4 temp. alarm 1		N	N	Y		
x	12372	4000	4560	Cylinder 4 temp. alarm 2	Cylinder 4 temp. alarm 2		N	N	Y		
x	12392	4000	4570	Cylinder 4 temp. sensor circuit	Cylinder 4 temp. sensor circuit		N	N	Y		
x	12373	4000	4600	Cylinder 5 temp. alarm 1	Cylinder 5 temp. alarm 1		N	N	Y		
x	12374	4000	4610	Cylinder 5 temp. alarm 2	Cylinder 5 temp. alarm 2		N	N	Y		
x	12393	4000	4620	Cylinder 5 temp. sensor circuit	Cylinder 5 temp. sensor circuit		N	N	Y		
x	12375	4000	4650	Cylinder 6 temp. alarm 1	Cylinder 6 temp. alarm 1		N	N	Y		
x	12376	4000	4660	Cylinder 6 temp. alarm 2	Cylinder 6 temp. alarm 2		N	N	Y		
x	12394	4000	4670	Cylinder 6 temp. sensor circuit	Cylinder 6 temp. sensor circuit		N	N	Y		

x	12377	4000	4700	Cylinder 7 temp. alarm 1	Cylinder 7 temp. alarm 1	N	N	Y
x	12378	4000	4710	Cylinder 7 temp. alarm 2	Cylinder 7 temp. alarm 2	N	N	Y
x	12395	4000	4720	Cylinder 7 temp. sensor circuit	Cylinder 7 temp. sensor circuit	N	N	Y
x	12379	4000	4750	Cylinder 8 temp. alarm 1	Cylinder 8 temp. alarm 1	N	N	Y
x	12380	4000	4760	Cylinder 8 temp. alarm 2	Cylinder 8 temp. alarm 2	N	N	Y
x	12396	4000	4770	Cylinder 8 temp. sensor circuit	Cylinder 8 temp. sensor circuit	N	N	Y
x	12381	4000	4800	Cylinder 9 temp. alarm 1	Cylinder 9 temp. alarm 1	N	N	Y
x	12382	4000	4810	Cylinder 9 temp. alarm 2	Cylinder 9 temp. alarm 2	N	N	Y
x	12397	4000	4820	Cylinder 9 temp. sensor circuit	Cylinder 9 temp. sensor circuit	N	N	Y
x	12383	4000	4850	Cylinder 10 temp. alarm 1	Cylinder 10 temp. alarm 1	N	N	Y
x	12384	4000	4860	Cylinder 10 temp. alarm 2	Cylinder 10 temp. alarm 2	N	N	Y
x	12398	4000	4870	Cylinder 10 temp. sensor circuit	Cylinder 10 temp. sensor circuit	N	N	Y
x	12385	4000	4900	Cylinder 11 temp. alarm 1	Cylinder 11 temp. alarm 1	N	N	Y
x	12386	4000	4910	Cylinder 11 temp. alarm 2	Cylinder 11 temp. alarm 2	N	N	Y
x	12399	4000	4920	Cylinder 11 temp. sensor circuit	Cylinder 11 temp. sensor circuit	N	N	Y
x	12387	4000	4950	Cylinder 12 temp. alarm 1	Cylinder 12 temp. alarm 1	N	N	Y
x	12388	4000	4960	Cylinder 12 temp. alarm 2	Cylinder 12 temp. alarm 2	N	N	Y
x	12400	4000	4970	Cylinder 12 temp. sensor circuit	Cylinder 12 temp. sensor circuit	N	N	Y
		4000	4990	VDO Sensor Circuit	VDO Sensor Circuit	Y	Y	N
v1.1.1	12001	4000	4990			Y	Y	Y
x	12049	5000	5200	Air shut off - Reset manually	Air shut off - Reset manually	N	N	Y
x	12420	6000	6041	Inconsequent Left Scale Configuration	Inconsequent Left Scale Configuration	N	N	Y
x	12421	6000	6042	Inconsequent Right Scale Configuration	Inconsequent Right Scale Configuration	N	N	Y
x	12334	6000	6140	Aftercooler fan	Aftercooler fan	N	Y	Y
x	12044	6000	6190	Charging fail	Charging fail	N	Y	Y
x	12143	6000	6200	VESSEL PRESSURE LIMITTING	VESSEL PRESSURE LIMITTING	N	Y	Y
x	12112	6000	6309	Engine preheat failure	Engine preheat failure	Y	Y	Y
x	12076	6000	6327	Start failure	Start failure	Y	Y	Y
x	12077	6000	6329	Starter speed too low	Starter speed too low	N	Y	Y
x	12071	6000	6380	Vessel pressure too low to load	Vessel pressure too low to load	N	Y	Y
x	12488	6000	6390	Preload RPM Failure	Preload RPM Failure	N	Y	Y
x	12070	6000	6420	Stop failure	Stop failure	Y	Y	Y
x	12142	6000	6425	UNEXPECTED STARTER FEEDBACK	UNEXPECTED STARTER FEEDBACK	Y	Y	Y
x	12124	6000	6426	Unintentional run	Unintentional run	Y	Y	Y
x	12073	6000	6427	Run failure	Run failure	Y	Y	Y
x	12335	6000	6580	Check Compressor Oil	Check Compressor Oil	N	N	Y
v1.1.1	12527	6000	6595			N	N	Y
v1.1.1	12528	6000	6596			N	N	Y
v1.1.1	12529	6000	6597			N	N	Y
v1.1.1	12530	6000	6598			N	N	Y
x	12336	6000	6650	Tank Draining 1 Failure	Tank Draining 1 Failure	N	N	Y
x	12337	6000	6652	Draining 1 temp. too low alarm	Draining 1 temp. too low alarm	N	N	Y
x	12338	6000	6660	Tank Draining 2 Failure	Tank Draining 2 Failure	N	N	Y
x	12339	6000	6662	Draining 2 temp too low alarm	Draining 2 temp too low alarm	N	N	Y
x	12151	6000	6870	REGULATING SYSTEM FAILURE	REGULATING SYSTEM FAILURE	N	Y	Y
x	12042	7000	7000	ECU communication error	ECU communication error	Y	Y	Y
x	12078	7000	7007	ECU red lamp	ECU red lamp	Y	Y	Y
x	12079	7000	7008	ECU amber lamp	ECU amber lamp	Y	Y	Y
x	12080	7000	7009	ECU protect lamp	ECU protect lamp	Y	Y	Y
x	12031	7000	7010	Engine Speed Too Low	Engine Speed Too Low	N	Y	Y
x	12032	7000	7020	Engine Overspeed	Engine Overspeed	Y	Y	Y
x	12033	7000	7030	ECU engine coolant temp. alarm	ECU engine coolant temp. alarm	Y	Y	Y
x	12034	7000	7040	ECU engine oil pressure alarm	ECU engine oil pressure alarm	Y	Y	Y
x	12035	7000	7050	ECU engine air inlet temp. alarm 1	ECU engine air inlet temp. alarm 1	N	Y	Y
x	12036	7000	7060	ECU engine air inlet temp. alarm 2	ECU engine air inlet temp. alarm 2	N	Y	Y
x	12037	7000	7070	ECU engine load alarm	ECU engine load alarm	N	Y	Y
x	12041	7000	7080	ECU ambient temp. alarm	ECU ambient temp. alarm	N	Y	Y
x	12325	7000	7090	ECU ambient temp. special warnings	ECU ambient temp. special warnings	N	Y	Y
x	12038	7000	7100	ECU DPF soot load alarm 1	ECU DPF soot load alarm 1	Y	Y	Y
x	12039	7000	7110	ECU DPF soot load alarm 2	ECU DPF soot load alarm 2	N	Y	Y
x	12040	7000	7120	ECU DPF soot load alarm 3	ECU DPF soot load alarm 3	N	Y	Y
x	12113	7000	7130	ECU DPF soot load alarm 4	ECU DPF soot load alarm 4	N	Y	Y
x	12326	7000	7150	Fuel pressure alarm 1	Fuel pressure alarm 1	N	Y	Y
		7000	7150	DEF tank level 1	DEF tank level 1	Y	N	N
x	12327	7000	7160	Fuel pressure alarm 2	Fuel pressure alarm 2	N	Y	Y
		7000	7160	DEF tank level 2	DEF tank level 2	Y	N	N
x	12328	7000	7170	DPF LSR monitoring	DPF LSR monitoring	N	Y	Y
		7000	7170	DEF level circuit	DEF level circuit	Y	N	N
x	12125	7000	7180	DEF tank level 1	DEF tank level 1	N	Y	Y
		7000	7180	Ash load	Ash load	Y	N	N
x	12126	7000	7190	DEF tank level 2	DEF tank level 2	N	Y	Y
x	12414	7000	7210	Engine Speed Alarm 3	Engine Speed Alarm 3	N	Y	Y
x	12415	7000	7220	Combo Sensor Communication Failure	Combo Sensor Communication Failure	N	N	Y
x	12416	7000	7230	Ta Sensor Warning	Ta Sensor Warning	N	N	Y
x	12417	7000	7231	Pa Sensor Warning	Pa Sensor Warning	N	N	Y
x	12418	7000	7232	RHa Sensor Warning	RHa Sensor Warning	N	N	Y
x	12116	7000	7240	Status 2. Should initiate a stationary DPF regen at this time	Status 2. Should initiate a stationary DPF regen at this time	N	Y	Y
x	12117	7000	7250	Status 3. Must initiate a stationary DPF regen at this time	Status 3. Must initiate a stationary DPF regen at this time	N	Y	Y
x	12118	7000	7260	Status 4. Must contact a service to complete DPF parked	Status 4. Must contact a service to complete DPF parked	N	Y	Y
x	12119	7000	7270	Status 5. Must contact a service to take care of DPF service	Status 5. Must contact a service to take care of DPF service	N	Y	Y
v1.1.1	12501	7000	7280			N	Y	Y

v1.1.1	12512	7000	7281				N	Y	Y	
v1.1.1	12503	7000	7285				N	N	Y	
v1.1.1	12502	7000	7290				N	N	Y	
v1.1.1	12513	7000	7291				N	N	Y	
v1.1.1	12504	7000	7295				N	N	Y	
x	12329	7000	7300	ECU oil level 1	ECU oil level 1		N	Y	Y	
x	12330	7000	7310	ECU oil level 2	ECU oil level 2		N	Y	Y	
x	12145	7000	7320	SCR INDUCEMENT LVL 1	SCR INDUCEMENT LVL 1		N	Y	Y	
x	12146	7000	7330	SCR INDUCEMENT LVL 2	SCR INDUCEMENT LVL 2		N	Y	Y	
x	12147	7000	7340	SCR INDUCEMENT LVL 3	SCR INDUCEMENT LVL 3		N	Y	Y	
x	12148	7000	7350	SCR INDUCEMENT LVL 4	SCR INDUCEMENT LVL 4		N	Y	Y	
x	12149	7000	7360	SCR INDUCEMENT LVL 5	SCR INDUCEMENT LVL 5		N	Y	Y	
x	12150	7000	7370	SCR INDUCEMENT OVERRIDE	SCR INDUCEMENT OVERRIDE		N	Y	Y	
v1.1.1	12511	7000	7380				N	N	Y	
v1.1.1	12533	7000	7386				N	N	Y	
v1.1.1	12534	7000	7387				N	N	Y	
x	12331	7000	7410	Regeneration required 1	Regeneration required 1		N	Y	Y	
x	12332	7000	7420	Regeneration required 2	Regeneration required 2		N	Y	Y	
x	12333	7000	7430	Regeneration required 3	Regeneration required 3		N	Y	Y	
x	12152	7000	7501	ACTUATOR VOLTAGE ERROR	ACTUATOR VOLTAGE ERROR		N	Y	Y	
x	12153	7000	7502	ACTUATOR CURRENT ERROR	ACTUATOR CURRENT ERROR		N	Y	Y	
x	12154	7000	7503	ACTUATOR TEMPERATURE ERROR	ACTUATOR TEMPERATURE ERROR		N	Y	Y	
x	12155	7000	7504	ACTUATOR POSITION ERROR	ACTUATOR POSITION ERROR		N	Y	Y	
x	12156	7000	7505	ACTUATOR CALIBRATION ERROR	ACTUATOR CALIBRATION ERROR		N	Y	Y	
v1.1.1	12567	7000	7530				N	N	Y	
v1.1.1	12568	7000	7532				N	N	Y	
v1.1.1	12569	7000	7534				N	N	Y	
v1.1.1	12570	7000	7536				N	N	Y	
v1.1.1	12571	7000	7540				N	N	Y	
v1.1.1	12572	7000	7542				N	N	Y	
v1.1.1	12573	7000	7544				N	N	Y	
v1.1.1	12574	7000	7546				N	N	Y	
v1.1.1	12575	7000	7550				N	N	Y	
v1.1.1	12576	7000	7552				N	N	Y	
v1.1.1	12577	7000	7554				N	N	Y	
v1.1.1	12578	7000	7556				N	N	Y	
x	12127	7000	7700	JUNCTION TEMPERATURE ALARM 1	JUNCTION TEMPERATURE ALARM 1		N	Y	Y	
x	12128	7000	7710	JUNCTION TEMPERATURE ALARM 2	JUNCTION TEMPERATURE ALARM 2		N	Y	Y	
x	12129	7000	7720	MOTOR SPEED ALARM 1	MOTOR SPEED ALARM 1		N	Y	Y	
x	12130	7000	7730	MOTOR SPEED ALARM 2	MOTOR SPEED ALARM 2		N	Y	Y	
x	12131	7000	7740	MOTOR TORQUE ALARM 1	MOTOR TORQUE ALARM 1		N	Y	Y	
x	12132	7000	7750	MOTOR TORQUE ALARM 2	MOTOR TORQUE ALARM 2		N	Y	Y	
x	12133	7000	7760	MOTOR DC VOLTAGE ALARM 1	MOTOR DC VOLTAGE ALARM 1		N	Y	Y	
x	12134	7000	7770	MOTOR DC VOLTAGE ALARM 2	MOTOR DC VOLTAGE ALARM 2		N	Y	Y	
x	12135	7000	7780	MOTOR POWER ALARM 1	MOTOR POWER ALARM 1		N	Y	Y	
x	12136	7000	7790	MOTOR POWER ALARM 2	MOTOR POWER ALARM 2		N	Y	Y	
x	12137	7000	7800	MOTOR CURRENT ALARM 1	MOTOR CURRENT ALARM 1		N	Y	Y	
x	12138	7000	7810	MOTOR CURRENT ALARM 2	MOTOR CURRENT ALARM 2		N	Y	Y	
x	12139	7000	7820	MOTOR CURRENT DC BUS ALARM 1	MOTOR CURRENT DC BUS ALARM 1		N	Y	Y	
x	12140	7000	7830	MOTOR CURRENT DC BUS ALARM 2	MOTOR CURRENT DC BUS ALARM 2		N	Y	Y	
x	12141	7000	7840	VSD SHUTDOWN	VSD SHUTDOWN		N	Y	Y	
v1.1.1	12565	7000	7845				N	N	Y	
v1.1.1	12514	8000	8000				N	N	Y	
x	12424	9000	9010	Logic Alarm 1	Logic Alarm 1	External socket control	N	N	Y	
x	12425	9000	9020	Logic Alarm 2	Logic Alarm 2		N	N	Y	
x	12426	9000	9030	Logic Alarm 3	Logic Alarm 3		N	N	Y	
x	12427	9000	9040	Logic Alarm 4	Logic Alarm 4		N	N	Y	
x	12428	9000	9050	Logic Alarm 5	Logic Alarm 5		N	N	Y	
x	12429	9000	9060	Logic Alarm 6	Logic Alarm 6		N	N	Y	
x	12430	9000	9070	Logic Alarm 7	Logic Alarm 7		N	N	Y	
x	12431	9000	9080	Logic Alarm 8	Logic Alarm 8		N	N	Y	
x	12432	9000	9090	Logic Alarm 9	Logic Alarm 9		N	N	Y	
x	12433	9000	9100	Logic Alarm 10	Logic Alarm 10		N	N	Y	
x	12434	9000	9110	Logic Alarm 11	Logic Alarm 11		N	N	Y	
x	12435	9000	9120	Logic Alarm 12	Logic Alarm 12		N	N	Y	
x	12436	9000	9130	Logic Alarm 13	Logic Alarm 13		N	N	Y	
x	12437	9000	9140	Logic Alarm 14	Logic Alarm 14		N	N	Y	
x	12438	9000	9150	Logic Alarm 15	Logic Alarm 15		N	N	Y	
x	12439	9000	9160	Logic Alarm 16	Logic Alarm 16		N	N	Y	
x	12440	9000	9170	Logic Alarm 17	Logic Alarm 17		N	N	Y	
x	12441	9000	9180	Logic Alarm 18	Logic Alarm 18		N	N	Y	
x	12442	9000	9190	Logic Alarm 19	Logic Alarm 19		N	N	Y	
x	12443	9000	9200	Logic Alarm 20	Logic Alarm 20		N	N	Y	
x	12444	9000	9210	Logic Alarm 21	Logic Alarm 21		N	N	Y	
x	12445	9000	9220	Logic Alarm 22	Logic Alarm 22		N	N	Y	
x	12446	9000	9230	Logic Alarm 23	Logic Alarm 23		N	N	Y	
x	12447	9000	9240	Logic Alarm 24	Logic Alarm 24		N	N	Y	
x	12448	9000	9250	Logic Alarm 25	Logic Alarm 25		N	N	Y	
x	12449	9000	9260	Logic Alarm 26	Logic Alarm 26		N	N	Y	
x	12450	9000	9270	Logic Alarm 27	Logic Alarm 27		N	N	Y	
x	12451	9000	9280	Logic Alarm 28	Logic Alarm 28		N	N	Y	

x	12452	9000	9290		*Logic Alarm 29*	*Logic Alarm 29*	N	N	Y
x	12453	9000	9300		*Logic Alarm 30*	*Logic Alarm 30*	N	N	Y
x	12454	9000	9310		*Logic Alarm 31*	*Logic Alarm 31*	N	N	Y
x	12455	9000	9320		*Logic Alarm 32*	*Logic Alarm 32*	N	N	Y
x	12456	9000	9330		*Logic Alarm 33*	*Logic Alarm 33*	N	N	Y
x	12457	9000	9340		*Logic Alarm 34*	*Logic Alarm 34*	N	N	Y
x	12458	9000	9350		*Logic Alarm 35*	*Logic Alarm 35*	N	N	Y
x	12459	9000	9360		*Logic Alarm 36*	*Logic Alarm 36*	N	N	Y
x	12460	9000	9370		*Logic Alarm 37*	*Logic Alarm 37*	N	N	Y
x	12461	9000	9380		*Logic Alarm 38*	*Logic Alarm 38*	N	N	Y
x	12462	9000	9390		*Logic Alarm 39*	*Logic Alarm 39*	N	N	Y
x	12463	9000	9400		*Logic Alarm 40*	*Logic Alarm 40*	N	N	Y
x	12464	9000	9410		*Logic Alarm 41*	*Logic Alarm 41*	N	N	Y
x	12465	9000	9420		*Logic Alarm 42*	*Logic Alarm 42*	N	N	Y
x	12466	9000	9430		*Logic Alarm 43*	*Logic Alarm 43*	N	N	Y
x	12467	9000	9440		*Logic Alarm 44*	*Logic Alarm 44*	N	N	Y
x	12468	9000	9450		*Logic Alarm 45*	*Logic Alarm 45*	N	N	Y
x	12469	9000	9460		*Logic Alarm 46*	*Logic Alarm 46*	N	N	Y
x	12470	9000	9470		*Logic Alarm 47*	*Logic Alarm 47*	N	N	Y
x	12471	9000	9480		*Logic Alarm 48*	*Logic Alarm 48*	N	N	Y
x	12472	9000	9490		*Logic Alarm 49*	*Logic Alarm 49*	N	N	Y
x	12473	9000	9500		*Logic Alarm 50*	*Logic Alarm 50*	N	N	Y
x	12474	9000	9510		*Logic Alarm 51*	*Logic Alarm 51*	N	N	Y
x	12475	9000	9520		*Logic Alarm 52*	*Logic Alarm 52*	N	N	Y
x	12476	9000	9530		*Logic Alarm 53*	*Logic Alarm 53*	N	N	Y
x	12477	9000	9540		*Logic Alarm 54*	*Logic Alarm 54*	N	N	Y
x	12478	9000	9550		*Logic Alarm 55*	*Logic Alarm 55*	N	N	Y
x	12479	9000	9560		*Logic Alarm 56*	*Logic Alarm 56*	N	N	Y
x	12480	9000	9570		*Logic Alarm 57*	*Logic Alarm 57*	N	N	Y
x	12481	9000	9580		*Logic Alarm 58*	*Logic Alarm 58*	N	N	Y
x	12482	9000	9590		*Logic Alarm 59*	*Logic Alarm 59*	N	N	Y
x	12483	9000	9600		*Logic Alarm 60*	*Logic Alarm 60*	N	N	Y
x	12484	9000	9610		*Logic Alarm 61*	*Logic Alarm 61*	N	N	Y
x	12485	9000	9620		*Logic Alarm 62*	*Logic Alarm 62*	N	N	Y
x	12486	9000	9630		*Logic Alarm 63*	*Logic Alarm 63*	N	N	Y
x	12487	9000	9640		*Logic Alarm 64*	*Logic Alarm 64*	N	N	Y
x	12173	10000	10000		*Stage 1 compression ratio high alarm*	*Stage 1 compression ratio high alarm*	N	N	Y
x	12177	10000	10010		*Stage 1 compression ratio too high alarm*	*Stage 1 compression ratio too high alarm*	N	N	Y
x	12181	10000	10020		*Stage 1 compression ratio low alarm*	*Stage 1 compression ratio low alarm*	N	N	Y
x	12185	10000	10030		*Stage 1 compression ratio too low alarm*	*Stage 1 compression ratio too low alarm*	N	N	Y
x	12174	10000	10040		*Stage 2 compression ratio high alarm*	*Stage 2 compression ratio high alarm*	N	N	Y
x	12178	10000	10050		*Stage 2 compression ratio too high alarm*	*Stage 2 compression ratio too high alarm*	N	N	Y
x	12182	10000	10060		*Stage 2 compression ratio low alarm*	*Stage 2 compression ratio low alarm*	N	N	Y
x	12186	10000	10070		*Stage 2 compression ratio too low alarm*	*Stage 2 compression ratio too low alarm*	N	N	Y
x	12175	10000	10080		*Stage 3 compression ratio high alarm*	*Stage 3 compression ratio high alarm*	N	N	Y
x	12179	10000	10090		*Stage 3 compression ratio too high alarm*	*Stage 3 compression ratio too high alarm*	N	N	Y
x	12183	10000	10100		*Stage 3 compression ratio low alarm*	*Stage 3 compression ratio low alarm*	N	N	Y
x	12187	10000	10110		*Stage 3 compression ratio too low alarm*	*Stage 3 compression ratio too low alarm*	N	N	Y
x	12176	10000	10120		*Stage 4 compression ratio high alarm*	*Stage 4 compression ratio high alarm*	N	N	Y
x	12180	10000	10130		*Stage 4 compression ratio too high alarm*	*Stage 4 compression ratio too high alarm*	N	N	Y
x	12184	10000	10140		*Stage 4 compression ratio low alarm*	*Stage 4 compression ratio low alarm*	N	N	Y
x	12188	10000	10150		*Stage 4 compression ratio too low alarm*	*Stage 4 compression ratio too low alarm*	N	N	Y
x	12189	10000	10160		*Cylinder 1 rel. temp. alarm 1*	*Cylinder 1 rel. temp. alarm 1*	N	N	Y
x	12190	10000	10170		*Cylinder 1 rel. temp. alarm 2*	*Cylinder 1 rel. temp. alarm 2*	N	N	Y
x	12191	10000	10180		*Cylinder 2 rel. temp. alarm 1*	*Cylinder 2 rel. temp. alarm 1*	N	N	Y
x	12192	10000	10190		*Cylinder 2 rel. temp. alarm 2*	*Cylinder 2 rel. temp. alarm 2*	N	N	Y
x	12193	10000	10200		*Cylinder 3 rel. temp. alarm 1*	*Cylinder 3 rel. temp. alarm 1*	N	N	Y
x	12194	10000	10210		*Cylinder 3 rel. temp. alarm 2*	*Cylinder 3 rel. temp. alarm 2*	N	N	Y
x	12195	10000	10220		*Cylinder 4 rel. temp. alarm 1*	*Cylinder 4 rel. temp. alarm 1*	N	N	Y
x	12196	10000	10230		*Cylinder 4 rel. temp. alarm 2*	*Cylinder 4 rel. temp. alarm 2*	N	N	Y
x	12197	10000	10240		*Cylinder 5 rel. temp. alarm 1*	*Cylinder 5 rel. temp. alarm 1*	N	N	Y
x	12198	10000	10250		*Cylinder 5 rel. temp. alarm 2*	*Cylinder 5 rel. temp. alarm 2*	N	N	Y
x	12199	10000	10260		*Cylinder 6 rel. temp. alarm 1*	*Cylinder 6 rel. temp. alarm 1*	N	N	Y
x	12200	10000	10270		*Cylinder 6 rel. temp. alarm 2*	*Cylinder 6 rel. temp. alarm 2*	N	N	Y
x	12201	10000	10280		*Cylinder 7 rel. temp. alarm 1*	*Cylinder 7 rel. temp. alarm 1*	N	N	Y
x	12202	10000	10290		*Cylinder 7 rel. temp. alarm 2*	*Cylinder 7 rel. temp. alarm 2*	N	N	Y
x	12203	10000	10300		*Cylinder 8 rel. temp. alarm 1*	*Cylinder 8 rel. temp. alarm 1*	N	N	Y
x	12204	10000	10310		*Cylinder 8 rel. temp. alarm 2*	*Cylinder 8 rel. temp. alarm 2*	N	N	Y
x	12205	10000	10320		*Cylinder 9 rel. temp. alarm 1*	*Cylinder 9 rel. temp. alarm 1*	N	N	Y
x	12206	10000	10330		*Cylinder 9 rel. temp. alarm 2*	*Cylinder 9 rel. temp. alarm 2*	N	N	Y
x	12207	10000	10340		*Cylinder 10 rel. temp. alarm 1*	*Cylinder 10 rel. temp. alarm 1*	N	N	Y
x	12208	10000	10350		*Cylinder 10 rel. temp. alarm 2*	*Cylinder 10 rel. temp. alarm 2*	N	N	Y
x	12209	10000	10360		*Cylinder 11 rel. temp. alarm 1*	*Cylinder 11 rel. temp. alarm 1*	N	N	Y
x	12210	10000	10370		*Cylinder 11 rel. temp. alarm 2*	*Cylinder 11 rel. temp. alarm 2*	N	N	Y
x	12211	10000	10380		*Cylinder 12 rel. temp. alarm 1*	*Cylinder 12 rel. temp. alarm 1*	N	N	Y
x	12212	10000	10390		*Cylinder 12 rel. temp. alarm 2*	*Cylinder 12 rel. temp. alarm 2*	N	N	Y
x	12213	10000	10400		*Cylinder 1 diff. temp. alarm 1*	*Cylinder 1 diff. temp. alarm 1*	N	N	Y
x	12214	10000	10410		*Cylinder 1 diff. temp. alarm 2*	*Cylinder 1 diff. temp. alarm 2*	N	N	Y
x	12215	10000	10420		*Cylinder 2 diff. temp. alarm 1*	*Cylinder 2 diff. temp. alarm 1*	N	N	Y
x	12216	10000	10430		*Cylinder 2 diff. temp. alarm 2*	*Cylinder 2 diff. temp. alarm 2*	N	N	Y
x	12217	10000	10440		*Cylinder 3 diff. temp. alarm 1*	*Cylinder 3 diff. temp. alarm 1*	N	N	Y

x	12218	10000	10450	Cylinder 3 diff. temp. alarm 2	Cylinder 3 diff. temp. alarm 2		N	N	Y
x	12219	10000	10460	Cylinder 4 diff. temp. alarm 1	Cylinder 4 diff. temp. alarm 1		N	N	Y
x	12220	10000	10470	Cylinder 4 diff. temp. alarm 2	Cylinder 4 diff. temp. alarm 2		N	N	Y
x	12221	10000	10480	Cylinder 5 diff. temp. alarm 1	Cylinder 5 diff. temp. alarm 1		N	N	Y
x	12222	10000	10490	Cylinder 5 diff. temp. alarm 2	Cylinder 5 diff. temp. alarm 2		N	N	Y
x	12223	10000	10500	Cylinder 6 diff. temp. alarm 1	Cylinder 6 diff. temp. alarm 1		N	N	Y
x	12224	10000	10510	Cylinder 6 diff. temp. alarm 2	Cylinder 6 diff. temp. alarm 2		N	N	Y
x	12225	10000	10520	Cylinder 7 diff. temp. alarm 1	Cylinder 7 diff. temp. alarm 1		N	N	Y
x	12226	10000	10530	Cylinder 7 diff. temp. alarm 2	Cylinder 7 diff. temp. alarm 2		N	N	Y
x	12227	10000	10540	Cylinder 8 diff. temp. alarm 1	Cylinder 8 diff. temp. alarm 1		N	N	Y
x	12228	10000	10550	Cylinder 8 diff. temp. alarm 2	Cylinder 8 diff. temp. alarm 2		N	N	Y
x	12229	10000	10560	Cylinder 9 diff. temp. alarm 1	Cylinder 9 diff. temp. alarm 1		N	N	Y
x	12230	10000	10570	Cylinder 9 diff. temp. alarm 2	Cylinder 9 diff. temp. alarm 2		N	N	Y
x	12231	10000	10580	Cylinder 10 diff. temp. alarm 1	Cylinder 10 diff. temp. alarm 1		N	N	Y
x	12232	10000	10590	Cylinder 10 diff. temp. alarm 2	Cylinder 10 diff. temp. alarm 2		N	N	Y
x	12233	10000	10600	Cylinder 11 diff. temp. alarm 1	Cylinder 11 diff. temp. alarm 1		N	N	Y
x	12234	10000	10610	Cylinder 11 diff. temp. alarm 2	Cylinder 11 diff. temp. alarm 2		N	N	Y
x	12235	10000	10620	Cylinder 12 diff. temp. alarm 1	Cylinder 12 diff. temp. alarm 1		N	N	Y
x	12236	10000	10630	Cylinder 12 diff. temp. alarm 2	Cylinder 12 diff. temp. alarm 2		N	N	Y
x	12064	12000	12010	Conf digital input 1 alarm	Conf digital input 1 alarm	Coolant Level Warning	N	N	Y
x	12065	12000	12020	Conf digital input 2 alarm	Conf digital input 2 alarm	Coolant Level Shutdown	N	N	Y
x	12066	12000	12030	Conf digital input 3 alarm	Conf digital input 3 alarm	dp Airfilter	N	N	Y
x	12067	12000	12040	Conf digital input 4 alarm	Conf digital input 4 alarm	ISV feedback	N	N	Y
x	12068	12000	12050	Conf digital input 5 alarm	Conf digital input 5 alarm	Mains switch feedback (E AIR)	N	N	Y
x	12069	12000	12060	Conf digital input 6 alarm	Conf digital input 6 alarm	Thermal Overload	N	N	Y
x	12160	12000	12070	Conf digital input 7 alarm	Conf digital input 7 alarm	phase sequence	N	N	Y
x	12161	12000	12080	Conf digital input 8 alarm	Conf digital input 8 alarm	Water in Fuel	N	N	Y
x	12162	12000	12090	Conf digital input 9 alarm	Conf digital input 9 alarm		N	N	Y
x	12163	12000	12100	Conf digital input 10 alarm	Conf digital input 10 alarm		N	N	Y
x	12164	12000	12110	Conf digital input 11 alarm	Conf digital input 11 alarm		N	N	Y
x	12165	12000	12120	Conf digital input 12 alarm	Conf digital input 12 alarm		N	N	Y
x	12166	12000	12130	Conf digital input 13 alarm	Conf digital input 13 alarm		N	N	Y
x	12167	12000	12140	Conf digital input 14 alarm	Conf digital input 14 alarm		N	N	Y
x	12168	12000	12150	Conf digital input 15 alarm	Conf digital input 15 alarm		N	N	Y
x	12169	12000	12160	Conf digital input 16 alarm	Conf digital input 16 alarm		N	N	Y
x	12045	13000	13000	Conf voltage input 1 alarm 1	Conf voltage input 1 alarm 1	OSV Pressure 1	N	N	Y
x	12046	13000	13010	Conf voltage input 1 alarm 2	Conf voltage input 1 alarm 2	OSV Pressure 1	N	N	Y
x	12050	13000	13020	Conf voltage input 1 sensor circuit	Conf voltage input 1 sensor circuit	OSV Pressure 1	N	N	Y
x	12047	13000	13050	Conf voltage input 2 alarm 1	Conf voltage input 2 alarm 1	OSV Pressure 2	N	N	Y
x	12048	13000	13060	Conf voltage input 2 alarm 2	Conf voltage input 2 alarm 2	OSV Pressure 2	N	N	Y
x	12051	13000	13070	Conf voltage input 2 sensor circuit	Conf voltage input 2 sensor circuit	OSV Pressure 2	N	N	Y
x	12241	13000	13100	Conf voltage input 3 alarm 1	Conf voltage input 3 alarm 1	Compressor OIL pressure	N	N	Y
x	12242	13000	13110	Conf voltage input 3 alarm 2	Conf voltage input 3 alarm 2	Compressor OIL pressure	N	N	Y
x	12253	13000	13120	Conf voltage input 3 sensor circuit	Conf voltage input 3 sensor circuit	Compressor OIL pressure	N	N	Y
x	12243	13000	13150	Conf voltage input 4 alarm 1	Conf voltage input 4 alarm 1		N	N	Y
x	12244	13000	13160	Conf voltage input 4 alarm 2	Conf voltage input 4 alarm 2		N	N	Y
x	12254	13000	13170	Conf voltage input 4 sensor circuit	Conf voltage input 4 sensor circuit		N	N	Y
x	12245	13000	13200	Conf voltage input 5 alarm 1	Conf voltage input 5 alarm 1		N	N	Y
x	12246	13000	13210	Conf voltage input 5 alarm 2	Conf voltage input 5 alarm 2		N	N	Y
x	12255	13000	13220	Conf voltage input 5 sensor circuit	Conf voltage input 5 sensor circuit		N	N	Y
x	12247	13000	13250	Conf voltage input 6 alarm 1	Conf voltage input 6 alarm 1		N	N	Y
x	12248	13000	13260	Conf voltage input 6 alarm 2	Conf voltage input 6 alarm 2		N	N	Y
x	12256	13000	13270	Conf voltage input 6 sensor circuit	Conf voltage input 6 sensor circuit		N	N	Y
x	12249	13000	13300	Conf voltage input 7 alarm 1	Conf voltage input 7 alarm 1		N	N	Y
x	12250	13000	13310	Conf voltage input 7 alarm 2	Conf voltage input 7 alarm 2		N	N	Y
x	12257	13000	13320	Conf voltage input 7 sensor circuit	Conf voltage input 7 sensor circuit		N	N	Y
x	12251	13000	13350	Conf voltage input 8 alarm 1	Conf voltage input 8 alarm 1		N	N	Y
x	12252	13000	13360	Conf voltage input 8 alarm 2	Conf voltage input 8 alarm 2		N	N	Y
x	12258	13000	13370	Conf voltage input 8 sensor circuit	Conf voltage input 8 sensor circuit		N	N	Y
x	12053	14000	14000	Conf temp input 1 alarm 1	Conf temp input 1 alarm 1	Compressor Oil Temperature	N	N	Y
x	12054	14000	14010	Conf temp input 1 alarm 2	Conf temp input 1 alarm 2	Compressor Oil Temperature	N	N	Y
x	12052	14000	14020	Conf temp input 1 sensor circuit	Conf temp input 1 sensor circuit	Compressor Oil Temperature	N	N	Y
x	12056	14000	14050	Conf temp input 2 alarm 1	Conf temp input 2 alarm 1	Coolant temperature	N	N	Y
x	12057	14000	14060	Conf temp input 2 alarm 2	Conf temp input 2 alarm 2	Coolant temperature	N	N	Y
x	12055	14000	14070	Conf temp input 2 sensor circuit	Conf temp input 2 sensor circuit	Coolant temperature	N	N	Y
x	12283	14000	14100	Conf temp input 3 alarm 1	Conf temp input 3 alarm 1	grid interface temperature	N	N	Y
x	12284	14000	14110	Conf temp input 3 alarm 2	Conf temp input 3 alarm 2	grid interface temperature	N	N	Y
x	12311	14000	14120	Conf temp input 3 sensor circuit	Conf temp input 3 sensor circuit	grid interface temperature	N	N	Y
x	12285	14000	14150	Conf temp input 4 alarm 1	Conf temp input 4 alarm 1	DC choke temperature	N	N	Y
x	12286	14000	14160	Conf temp input 4 alarm 2	Conf temp input 4 alarm 2	DC choke temperature	N	N	Y
x	12312	14000	14170	Conf temp input 4 sensor circuit	Conf temp input 4 sensor circuit	DC choke temperature	N	N	Y
x	12287	14000	14200	Conf temp input 5 alarm 1	Conf temp input 5 alarm 1	Motor Winding 1	N	N	Y
x	12288	14000	14210	Conf temp input 5 alarm 2	Conf temp input 5 alarm 2	Motor Winding 1	N	N	Y
x	12313	14000	14220	Conf temp input 5 sensor circuit	Conf temp input 5 sensor circuit	Motor Winding 1	N	N	Y
x	12289	14000	14250	Conf temp input 6 alarm 1	Conf temp input 6 alarm 1	Motor Winding 2	N	N	Y
x	12290	14000	14260	Conf temp input 6 alarm 2	Conf temp input 6 alarm 2	Motor Winding 2	N	N	Y
x	12314	14000	14270	Conf temp input 6 sensor circuit	Conf temp input 6 sensor circuit	Motor Winding 2	N	N	Y
x	12291	14000	14300	Conf temp input 7 alarm 1	Conf temp input 7 alarm 1	Motor Winding 3	N	N	Y
x	12292	14000	14310	Conf temp input 7 alarm 2	Conf temp input 7 alarm 2	Motor Winding 3	N	N	Y
x	12315	14000	14320	Conf temp input 7 sensor circuit	Conf temp input 7 sensor circuit	Motor Winding 3	N	N	Y
x	12293	14000	14350	Conf temp input 8 alarm 1	Conf temp input 8 alarm 1		N	N	Y

x	12294	14000	14360	Conf temp input 8 alarm 2	Conf temp input 8 alarm 2		N	N	Y	
x	12316	14000	14370	Conf temp input 8 sensor circuit	Conf temp input 8 sensor circuit		N	N	Y	
x	12295	14000	14400	Conf temp input 9 alarm 1	Conf temp input 9 alarm 1		N	N	Y	
x	12296	14000	14410	Conf temp input 9 alarm 2	Conf temp input 9 alarm 2		N	N	Y	
x	12317	14000	14420	Conf temp input 9 sensor circuit	Conf temp input 9 sensor circuit		N	N	Y	
x	12297	14000	14450	Conf temp input 10 alarm 1	Conf temp input 10 alarm 1		N	N	Y	
x	12298	14000	14460	Conf temp input 10 alarm 2	Conf temp input 10 alarm 2		N	N	Y	
x	12318	14000	14470	Conf temp input 10 sensor circuit	Conf temp input 10 sensor circuit		N	N	Y	
x	12299	14000	14500	Conf temp input 11 alarm 1	Conf temp input 11 alarm 1		N	N	Y	
x	12300	14000	14510	Conf temp input 11 alarm 2	Conf temp input 11 alarm 2		N	N	Y	
x	12319	14000	14520	Conf temp input 11 sensor circuit	Conf temp input 11 sensor circuit		N	N	Y	
x	12301	14000	14550	Conf temp input 12 alarm 1	Conf temp input 12 alarm 1		N	N	Y	
x	12302	14000	14560	Conf temp input 12 alarm 2	Conf temp input 12 alarm 2		N	N	Y	
x	12320	14000	14570	Conf temp input 12 sensor circuit	Conf temp input 12 sensor circuit		N	N	Y	
x	12303	14000	14600	Conf temp input 13 alarm 1	Conf temp input 13 alarm 1		N	N	Y	
x	12304	14000	14610	Conf temp input 13 alarm 2	Conf temp input 13 alarm 2		N	N	Y	
x	12321	14000	14620	Conf temp input 13 sensor circuit	Conf temp input 13 sensor circuit		N	N	Y	
x	12305	14000	14650	Conf temp input 14 alarm 1	Conf temp input 14 alarm 1		N	N	Y	
x	12306	14000	14660	Conf temp input 14 alarm 2	Conf temp input 14 alarm 2		N	N	Y	
x	12322	14000	14670	Conf temp input 14 sensor circuit	Conf temp input 14 sensor circuit		N	N	Y	
x	12307	14000	14700	Conf temp input 15 alarm 1	Conf temp input 15 alarm 1		N	N	Y	
x	12308	14000	14710	Conf temp input 15 alarm 2	Conf temp input 15 alarm 2		N	N	Y	
x	12323	14000	14720	Conf temp input 15 sensor circuit	Conf temp input 15 sensor circuit		N	N	Y	
x	12309	14000	14750	Conf temp input 16 alarm 1	Conf temp input 16 alarm 1		N	N	Y	
x	12310	14000	14760	Conf temp input 16 alarm 2	Conf temp input 16 alarm 2		N	N	Y	
x	12324	14000	14770	Conf temp input 16 sensor circuit	Conf temp input 16 sensor circuit		N	N	Y	
v1.1.1	12535	14000	14800				N	N	Y	
v1.1.1	12536	14000	14810				N	N	Y	
v1.1.1	12553	14000	14820				N	N	Y	
v1.1.1	12554	14000	14850				N	N	Y	
v1.1.1	12555	14000	14860				N	N	Y	
v1.1.1	12556	14000	14870				N	N	Y	
v1.1.1	12557	16000	16240				N	N	Y	
v1.1.1	12558	16000	16242				N	N	Y	
v1.1.1	12559	16000	16244				N	N	Y	
v1.1.1	12560	16000	16246				N	N	Y	
v1.1.1	12561	16000	16250				N	N	Y	
v1.1.1	12562	16000	16252				N	N	Y	
v1.1.1	12563	16000	16254				N	N	Y	
v1.1.1	12564	16000	16256				N	N	Y	
x	12259	18000	18000	Conf current input 1 alarm 1	Conf current input 1 alarm 1		N	N	Y	
x	12260	18000	18010	Conf current input 1 alarm 2	Conf current input 1 alarm 2		N	N	Y	
x	12275	18000	18020	Conf current input 1 sensor circuit	Conf current input 1 sensor circuit		N	N	Y	
x	12261	18000	18050	Conf current input 2 alarm 1	Conf current input 2 alarm 1		N	N	Y	
x	12262	18000	18060	Conf current input 2 alarm 2	Conf current input 2 alarm 2		N	N	Y	
x	12276	18000	18070	Conf current input 2 sensor circuit	Conf current input 2 sensor circuit		N	N	Y	
x	12263	18000	18100	Conf current input 3 alarm 1	Conf current input 3 alarm 1		N	N	Y	
x	12264	18000	18110	Conf current input 3 alarm 2	Conf current input 3 alarm 2		N	N	Y	
x	12277	18000	18120	Conf current input 3 sensor circuit	Conf current input 3 sensor circuit		N	N	Y	
x	12265	18000	18150	Conf current input 4 alarm 1	Conf current input 4 alarm 1		N	N	Y	
x	12266	18000	18160	Conf current input 4 alarm 2	Conf current input 4 alarm 2		N	N	Y	
x	12278	18000	18170	Conf current input 4 sensor circuit	Conf current input 4 sensor circuit		N	N	Y	
x	12267	18000	18200	Conf current input 5 alarm 1	Conf current input 5 alarm 1		N	N	Y	
x	12268	18000	18210	Conf current input 5 alarm 2	Conf current input 5 alarm 2		N	N	Y	
x	12279	18000	18220	Conf current input 5 sensor circuit	Conf current input 5 sensor circuit		N	N	Y	
x	12269	18000	18250	Conf current input 6 alarm 1	Conf current input 6 alarm 1		N	N	Y	
x	12270	18000	18260	Conf current input 6 alarm 2	Conf current input 6 alarm 2		N	N	Y	
x	12280	18000	18270	Conf current input 6 sensor circuit	Conf current input 6 sensor circuit		N	N	Y	
x	12271	18000	18300	Conf current input 7 alarm 1	Conf current input 7 alarm 1		N	N	Y	
x	12272	18000	18310	Conf current input 7 alarm 2	Conf current input 7 alarm 2		N	N	Y	
x	12281	18000	18320	Conf current input 7 sensor circuit	Conf current input 7 sensor circuit		N	N	Y	
x	12273	18000	18350	Conf current input 8 alarm 1	Conf current input 8 alarm 1		N	N	Y	
x	12274	18000	18360	Conf current input 8 alarm 2	Conf current input 8 alarm 2		N	N	Y	
x	12282	18000	18370	Conf current input 8 sensor circuit	Conf current input 8 sensor circuit		N	N	Y	
x	12489	1000	1521 // 1522	Minor Overhaul Within	Minor Overhaul Within		Y	Y	Y	
x	12491	1000	1551 // 1553	Compressor Oil Change Within	Compressor Oil Change Within		Y	Y	Y	
x	12490	1000	1552 // 1554	Major Overhaul Within	Major Overhaul Within		Y	Y	Y	
x	12001	3000	3020 // 4990	Fuel level sensor circuit	Fuel level sensor circuit	The Fuel Level Sensor Circuit is monitored for Shortcircuit and wirebreak	Y	Y	Y	Y
x	12110	ECU	FMI 15 // FMI 17	Warning	Warning		Y	Y	Y	
x	12111	ECU	FMI 16 // FMI 18	Alarm	Alarm		Y	Y	Y	
x	12108	ECU	FMI 2 // FMI 3 // FMI 4	Sensor failure	Sensor failure		Y	Y	Y	
x	12109	ECU	FMI 5 // FMI 6 // FMI 7 // FMI 11 // FMI 12 // FMI 14	Failure	Failure		Y	Y	Y	
x	12107	ECU	FMI0 // FMI 1	Shutdown	Shutdown		Y	Y	Y	
	12000	not used	not used	Configurable voltage input 1 sensor circuit	Configurable voltage input 1 sensor circuit	Controller	N	Y	Y	Y
	12058	not used	not used	Engine running	Engine running		N	N	N	
	12059	not used	not used	Engine stopped	Engine stopped		N	N	N	
	12060	not used	not used	Entering loaded sequence	Entering loaded sequence		N	N	N	
	12061	not used	not used	Leaving loaded sequence	Leaving loaded sequence		N	N	N	
	12062	not used	not used	Engine run command	Engine run command		N	N	N	
	12063	not used	not used	Engine stop command	Engine stop command		N	N	N	
	12072	not used	not used	Low sensor reference voltage	Low sensor reference voltage		N	N	N	

	12074	not used	not used	Entered to local operating mode	Entered to local operating mode	N	N	N
	12075	not used	not used	Entered to remote operating mode	Entered to remote operating mode	N	N	N
	12120	not used	not used	Major overhaul alarm	Major overhaul alarm	N	N	N
	12121	not used	not used	Entered to remote PC operating mode	Entered to remote PC operating mode	N	N	N
	12122	not used	not used	Entered to automatic operating mode	Entered to automatic operating mode	N	N	N
	12123	not used	not used	Entered to block operating mode	Entered to block operating mode	N	N	N
	12171	not used	not used	Minor overhaul alarm	Minor overhaul alarm	N	N	N
	12409	not used	not used	0100 Color Definition	0100 Color Definition	N	N	N
	12419	not used	not used	echo %d > /sys/class/backlight/backlight/brightness	echo %d > /sys/class/backlight/backlight/brightness	N	N	N
	12422	not used	not used	Backup Regulator Pressure	Backup Regulator Pressure	N	N	N
	12423	not used	not used	Active & Jump	Active & Jump	N	N	N
x	12088	ECU	SPN 100	Oil Pressure	Oil Pressure	Y	Y	Y
x	12089	ECU	SPN 102	Turbo boost pressure	Turbo boost pressure	Y	Y	Y
x	12090	ECU	SPN 104	Turbo oil pressure	Turbo oil pressure	Y	Y	Y
x	12091	ECU	SPN 105	Intake manifold temperature	Intake manifold temperature	Y	Y	Y
x	12092	ECU	SPN 106	Air inlet pressure	Air inlet pressure	Y	Y	Y
x	12093	ECU	SPN 110	Coolant temperature	Coolant temperature	Y	Y	Y
x	12094	ECU	SPN 111	Coolant level	Coolant level	Y	Y	Y
x	12095	ECU	SPN 158	Supply voltage	Supply voltage	Y	Y	Y
x	12081	ECU	SPN 16	Fuel filter pressure	Fuel filter pressure	Y	Y	Y
x	12096	ECU	SPN 168	Electric potential	Electric potential	Y	Y	Y
x	12097	ECU	SPN 171	Ambient air temperature	Ambient air temperature	Y	Y	Y
x	12098	ECU	SPN 172	Air inlet temperature	Air inlet temperature	Y	Y	Y
x	12099	ECU	SPN 174	Fuel Temperature	Fuel Temperature	Y	Y	Y
x	12100	ECU	SPN 175	Oil temperature	Oil temperature	Y	Y	Y
x	12102	ECU	SPN 1761	SCR Tank Level	SCR Tank Level	Y	Y	Y
x	no text number	ECU	SPN 190	Engine speed	Engine speed	Y	Y	Y
x	12103	ECU	SPN 2630	CAC Outlet Temperature	CAC Outlet Temperature	Y	Y	Y
x	12104	ECU	SPN 3031	SCR Tank Temperature	SCR Tank Temperature	Y	Y	Y
x	12114	ECU	SPN 3701	Diesel particulate filter status	Diesel particulate filter status	Y	Y	Y
x	12105	ECU	SPN 3719	Soot load	Soot load	Y	Y	Y
x	12106	ECU	SPN 3720	Ash load	Ash load	Y	Y	Y
x	12082	ECU	SPN 52	Intercooler temperature	Intercooler temperature	Y	Y	Y
x	no text number	ECU	SPN 651	ECU - Injector 1	ECU - Injector 1	Y	Y	Y
x	no text number	ECU	SPN 652	ECU - Injector 2	ECU - Injector 2	Y	Y	Y
x	no text number	ECU	SPN 653	ECU - Injector 3	ECU - Injector 3	Y	Y	Y
x	no text number	ECU	SPN 654	ECU - Injector 4	ECU - Injector 4	Y	Y	Y
x	no text number	ECU	SPN 655	ECU - Injector 5	ECU - Injector 5	Y	Y	Y
x	no text number	ECU	SPN 656	ECU - Injector 6	ECU - Injector 6	Y	Y	Y
x	no text number	ECU	SPN 657	ECU - Injector 7	ECU - Injector 7	Y	Y	Y
x	no text number	ECU	SPN 658	ECU - Injector 8	ECU - Injector 8	Y	Y	Y
x	12083	ECU	SPN 94			Y	Y	Y
x	12084	ECU	SPN 95			Y	Y	Y
x	12085	ECU	SPN 97			Y	Y	Y
x	12086	ECU	SPN 98			Y	Y	Y
x	12087	ECU	SPN 99			Y	Y	Y