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KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK
GIZA					
MBB10CG005	AXIAL DISPLACEMENT, POWER TURBINE				
-P01	PROXIMITOR		BENTLEY NEVADA 330100-90-05	2409 974-1	-
-U01	PROXIMITY PROBE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330100-040-00-05	see note	included in 2409 357-1
GI					
MBB10CG010	ROTOR ANGLE				
-P01	PROXIMITOR		BENTLEY NEVADA 330100-90-05	2409 974-1	-
-U01	PROXIMITY PROBE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330130-040-00-05	see note	included in 2409 357-1
PIC					
MBB10CP005	EXHAUST GAS PRESSURE			3820 328-9	
KA09	QUICK COUPLING		PARKER 4M-Q6CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/S/MTG	3820 533-2	-
MR01	ADAPTOR		PALMSTIERNA SKMMNPT1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER		FUJI FKHV02V4-AKAYY-0Y	3820 531-7	-
PDIZA					
MBB10CP010	EXHAUST GAS PRESSURE			3820 328-8	
KA08	QUICK COUPLING		PARKER	3820 538-1	-
KA09	QUICK COUPLING		4M-Q6CY-SS PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD		4M-Q6CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y54/S/MTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
			4-4SE-SS		-

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Remark -	year-month-day	Title	Plant		Des		
			YAMAMA CEMENT	MBB, MBJ, MBT			
Based on Doc no / revision	03.11.12	03.11.12	Order no B4516	HG 9100	Archive -		
Checked by Fredrik Andersson 2007-01-12	04.02.26	04.02.26	SIEMENS				
Appr. by Göran Andersson 2007-01-12	05.04.05	05.04.05				Doc. no	2046039
Prepared by S.MALMLÖV	07.01.12	07.01.12				Lang.	Sheet
				Tot.	45		

KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK
-P01	DIFF. PRESSURE TRANSMITTER		FUJI FKX33V4-AKAYY-AE	3820 529-21	-
MBB10CS005 POWER TURBINE SPEED					
-P01	PROXIMITOR	SICZ			
-U01	PROXIMITY PROBE		BENTLY NEVADA 330100-90-05	2409 974-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
			BENTLY NEVADA 330130-040-00-05	see note	included in 2409 357-1
MBB10CS010 POWER TURBINE SPEED					
-P01	PROXIMITOR	SICZ			
-U01	PROXIMITY PROBE		BENTLY NEVADA 330100-90-05	2409 974-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
			BENTLY NEVADA 330130-040-00-05	see note	included in 2409 357-1
MBB10CT005 EXHAUST AIR TEMPERATURE 1					
-P01	THERMOCOUPLE	TICZA	PENTRONIC	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P02	THERMOCOUPLE		PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P03	THERMOCOUPLE		PENTRONIC	see note -P01	-
			PENTRONIC	see note -P01	-
MBB10CT010 EXHAUST AIR TEMPERATURE 2					
-P01	THERMOCOUPLE	TICZA	PENTRONIC	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P02	THERMOCOUPLE		PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P03	THERMOCOUPLE		PENTRONIC	see note -P01	-
			PENTRONIC	see note -P01	-
MBB10CT015 EXHAUST AIR TEMPERATURE 3					
-P01	THERMOCOUPLE	TICZA	PENTRONIC	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
			PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.

Remark	year-month-day	Title	Plant		Des		
			YAMAMA CEMENT	MBB, MBJ, MBT			
Based on Doc no / revision	Orig	03.11.12	Order no B4516	HG 9100	Archive -		
Checked by Fredrik Andersson 2007-01-12	Rev	04.02.26	SIEMENS				
Appr. by Göran Andersson 2007-01-12	Rev	05.04.05				Doc. no	2046039
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-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
TICZA					
MBB10CT020	EXHAUST AIR TEMPERATURE 4	-	-	2409 574-1	PROBE , COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS .
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
TICZA					
MBB10CT025	EXHAUST AIR TEMPERATURE 5	-	-	2409 574-1	PROBE ,COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS .
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
TICZA					
MBB10CT030	EXHAUST AIR TEMPERATURE 6	-	-	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT . ONE SET OF 3TCS .
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
TICZA					
MBB10CT035	EXHAUST AIR TEMPERATURE 7	-	-	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS .
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
TICZA					
MBB10CT040	EXHAUST AIR TEMPERATURE 8	-	-	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.

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			YAMAMA CEMENT	MBB, MBJ, MBT	
Based on Doc no / revision	03.11.12	POWER TURBINE-/ STARTING-/	Order no B4516	HG 9100	Archive -
Checked by Fredrik Andersson 2007-01-12	04.02.26	GAS GENERATOR- SYSTEM	SIEMENS		
Appr. by Göran Andersson 2007-01-12	05.04.05	INSTRUMENT LIST			
Prepared by S.MALMLÖV	07.01.12				
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KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK
-P01	THERMOCOUPLE		PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE		PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE		PENTRONIC	see note -P01	-
MBB10CT045	EXHAUST AIR TEMPERATURE 9	TICZA		2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE		PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE		PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE		PENTRONIC	see note -P01	-
MBB10CT050	EXHAUST AIR TEMPERATURE 10	TICZA		2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE		PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE		PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE		PENTRONIC	see note -P01	-
MBB10CT055	EXHAUST AIR TEMPERATURE 11	TICZA		2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE		PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE		PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE		PENTRONIC	see note -P01	-
MBB10CT060	EXHAUST AIR TEMPERATURE 12	TICZA		2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE		PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE		PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE		PENTRONIC	see note -P01	-

Remark -	year-month-day	Title	Plant		Des
			YAMAMA CEMENT	MBB, MBJ, MBT	
Based on Doc no / revision	Orig	03.11.12	Order no B4516	HG 9100	Archive -
Checked by Fredrik Andersson 2007-01-12	Rev	04.02.26	SIEMENS		
Appr. by Göran Andersson 2007-01-12	Rev	05.04.05			
Prepared by S.MALMLÖV	Rev	07.01.12			
POWER TURBINE-/ STARTING-/ GAS GENERATOR- SYSTEM			Doc. no 2046039		
INSTRUMENT LIST			Lang. E Sheet 4 Tot. 45		

KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK
MBB10CT065	EXHAUST AIR TEMPERATURE 13	TICZA	-	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
MBB10CT070	EXHAUST AIR TEMPERATURE 14	TICZA	-	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
MBB10CT075	EXHAUST AIR TEMPERATURE 15	TICZA	-	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
MBB10CT080	EXHAUST AIR TEMPERATURE 16	TICZA	-	2409 574-1	PROBE, COMPLETE WITH THERMOCOUPLE INSERT.
-P01	THERMOCOUPLE	-	PENTRONIC	2409 574-2	THERMOCOUPLE INSERT. ONE SET OF 3TCS.
-P02	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
-P03	THERMOCOUPLE	-	PENTRONIC	see note -P01	-
MBB10CT085	BEARING 3 RADIAL TEMPERATURE	TIA	-	-	-
-P01	PT100	-	PENTRONIC	51054 451-2	-
MBB10CT090	BEARING 3 RADIAL TEMPERATURE	TE	-	-	SPARE

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			YAMAMA CEMENT	MBB, MBJ, MBT			
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Checked by Fredrik Andersson 2007-01-12	04.02.26	04.02.26	SIEMENS				
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KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK
-P01	PT100	PENTRONIC	-	51054 451-2	-
MBB10CT095	BEARING 4 AXIAL TEMPERATURE	TIA	-	-	-
-P01	PT100	PENTRONIC	-	51054 452-1	-
MBB10CT100	BEARING 4 AXIAL TEMPERATURE	TE	-	-	SPARE
-P01	PT100	PENTRONIC	-	51054 452-1	-
MBB10CT105	BEARING 4 RADIAL TEMPERATURE	TIA	-	-	-
-P01	PT100	PENTRONIC	-	51054 451-3	-
MBB10CT110	BEARING 4 RADIAL TEMPERATURE	TE	-	-	SPARE
-P01	PT100	PENTRONIC	-	51054 451-3	-
MBB10CY005	VIBRATION BEARING 3	YIZA	-	1CSA1948-1	-
-P01	ACCELEROMETER	BRUEL&KJAER	-	T9606-010	-
-U01	CHARGE AMPLIFIER	5704/UA1379/10M BRUEL&KJAER	-	T9596-001	-
MBB10CY010	VIBRATION BEARING 4	YIZA	-	1CSA1948-1	-
-P01	ACCELEROMETER	BRUEL&KJAER	-	T9606-010	-
-U01	CHARGE AMPLIFIER	5704/UA1379/10M BRUEL&KJAER	-	T9596-001	-
MBJ10CG005	HAND BARRING TOOL IN POSITION	GSA	-	-	-
-P01	SAFETY CONTACT	BARETC	-	2408 582-1	-
MBT10CG005	AXIAL DISPLACEMENT GAS GENERATOR	GIZA	-	-	-
-P01	PROXIMITOR	BENTLY NEVADA 330100-90-05	-	2409 974-1	-

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Remark -	year-month-day	Title	Plant		Des				
			YAMAMA CEMENT	MBB, MBJ, MBT	Archive	Lang.			
Based on Doc no / revision	03.11.12	POWER TURBINE-/ STARTING-/	Order no B4516	HG 9100	Doc.no	E			
Checked by Fredrik Andersson 2007-01-12	04.02.26	GAS GENERATOR- SYSTEM	SIEMENS				Sheet		
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KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK
-U01	PROXIMITY PROBE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330130-040-00-05	see note	included in 2409 357-1
XS					
MBT10CG010	ROTOR ANGLE				
-P01	PROXIMITOR		BENTLY NEVADA 330100-90-05	2409 974-1	-
-U01	PROXIMITY PROBE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330130-040-00-05	see note	included in 2409 357-1
PIC					
MBT10CP005	COMPRESSOR INLET PRESSURE			3820 328-9	
KA09	QUICK COUPLING		PARKER 4M-Q6CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/S/MTG	3820 533-2	-
MR01	ADAPTOR		PALMSTIERNA SKMMNPT1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER		FUJI FKHV02V4-AKAYY-0Y	3820 531-7	-
PDI					
MBT10CF010	COMPRESSOR INLET FLOW			3820 328-8	
KA08	QUICK COUPLING		PARKER 4M-Q6CY-SS	3820 538-1	-
KA09	QUICK COUPLING		PARKER 4M-Q6CY-SS	3820 538-1	-
KA10	5 WAY MANIFOLD		OLIVER Y54/S/MTG	3820 533-3	-
MR01	90° STREET ELBOW		PARKER 4-4SE-SS	3820 322-3	-
MR02	90° STREET ELBOW		PARKER 4-4SE-SS	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		FUJI FKX33V4-AKAYY-AE	3820 529-21	-
PIC					
MBT10CP015	COMPRESSOR DISCHARGE PRESSURE			3820 328-9	

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			YAMAMA CEMENT	MBB, MBJ, MBT			
Based on Doc no / revision	03.11.12	POWER TURBINE-/ STARTING-/	Order no B4516	HG 9100	Archive -	Lang. E	
Checked by Fredrik Andersson 2007-01-12	04.02.26	GAS GENERATOR- SYSTEM	SIEMENS				Doc. no
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KA09	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/SMTG	3820 533-2	-
MR01	ADAPTOR		PALMSTIERNA SKMMNPT1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER		FUJI FKHV04V4-AKAYY-0Y	3820 531-14	-
MBT10CP020	COMPRESSOR DISCHARGE PRESSURE	PIC		3820 328-9	-
KA09	QUICK COUPLING		PARKER 4M-O6CY-SS	382 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/SMTG	3820 533-2	-
MR01	ADAPTER		PALMSTIERNA SKMMNPT1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER		FUJI FKHV04V4-AKAYY-0Y	3820 531-14	-
MBT10CP025	COMPRESSOR DISCHARGE PRESSURE	PIC		3820 328-9	-
KA09	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/SMTG	3820 533-2	-
MR01	ADAPTER		PALMSTIERNA SKMMNPT1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER		FUJI FKHV04V4-AKAYY-0Y	3820 531-14	-
MBT10CQ005	MAIN FLAME	XZ			
-P01	UV-DETECTOR		BFI IRIS IRX 2.LA	2407 943-1	-
MBT10CQ010	PILOT FLAME	XZ			
-P01	UV-DETECTOR		BFI IRIS IRX 2.LA	2407 943-1	-
MBT10CS005	GAS GENERATOR SPEED	SICZ			

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-P01	PROXIMITOR		BENTLY NEVADA 330100-90-05	2409 974-1	-
-U01	PROXIMITY PROBE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330130-040-00-05	see note	included in 2409 357-1
MBT10CS010	GAS GENERATOR SPEED	SICZ			
-P01	PROXIMITOR		BENTLY NEVADA 330100-90-05	2409 974-1	-
-U01	PROXIMITY PROBE		BENTLY NEVADA 330171-00-08-50-02-05	2409 357-1	-
-U02	EXTENSION CABLE		BENTLY NEVADA 330130-040-00-05	see note	included in 2409 357-1
MBT10CT005	COMPRESSOR INLET TEMPERATURE	TI			
-P01	PT100		PENTRONIC	51082 859-1	-
MBT10CT010	BEARING 1 AXIAL TEMPERATURE	TIA			
-P01	PT100		PENTRONIC	51054 451-3	-
MBT10CT015	BEARING 1 AXIAL TEMPERATURE	TE			SPARE
-P01	PT100		PENTRONIC	51054 451-3	-
MBT10CT020	BEARING 1 RADIAL TEMPERATURE	TIA			
-P01	PT100		PENTRONIC	51054 451-1	-
MBT10CT025	BEARING 1 RADIAL TEMPERATURE	TE			SPARE
-P01	PT100		PENTRONIC	51054 451-1	-
MBT10CT030	COMPRESSOR DISCHARGE TEMPERATURE	TI			
-P01	THERMOCOUPLE		PENTRONIC	2407 115-1	-

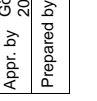
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			YAMAMA CEMENT	MBB, MBJ, MBT						
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Appr. by Göran Andersson 2007-01-12	Rev	Latest rev.								
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MBT10CT035	COMPRESSOR DISCHARGE TEMPERATURE	TI				Orig	03.11.12
-P01	THERMOCOUPLE		PENTRONIC	2407 115-1	-	Rev	04.02.26
MBT10CT040	COMPRESSOR DISCHARGE TEMPERATURE	TI				Rev	05.04.05
-P01	THERMOCOUPLE		PENTRONIC	2407 115-1	-	Rev	07.01.12
MBT10CT045	BEARING 2 RADIAL TEMPERATURE	TIA				Resp. dept.	GPML
-P01	PT100		PENTRONIC	2405 009-1	-	Latest rev.	c
MBT10CT050	BEARING 2 RADIAL TEMPERATURE	TE			SPARE		
-P01	PT100		PENTRONIC	2405 009-1	-		
MBT10CT055	COMPRESSOR INLET TEMPERATURE	TI					
-P01	PT100		PENTRONIC	51 082 859-1	-		
MBT10CT060	COMPRESSOR INLET TEMPERATURE	TI					
-P01	PT100		PENTRONIC	51 082 859-1	-		
MBT10CY005	VIBRATION BEARING 1	YIZA		1CSA1948-1			
-P01	ACCELEROMETER		BRUEL&KJAER	T9606-010	-		
-U01	CHARGE AMPLIFIER		5704/UA1379/10M	-	-		
			BRUEL&KJAER	T9596-001	-		
			2667-S-0-025-104	-	-		
MBT10CY010	VIBRATION BEARING 2	YIZA		1CSA1948-1			
-P01	ACCELEROMETER		BRUEL&KJAER	T9606-010	-		
-U01	CHARGE AMPLIFIER		5704/UA1379/10M	-	-		
			BRUEL&KJAER	T9596-001	-		
			2667-S-0-025-104	-	-		

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							Order no	HG	Archive	Lang.
		Frederik Andersson 2007-01-12	Göran Andersson 2007-01-12	S.MALMLÖV	03.11.12	POWER TURBINE-/ STARTING-/ GAS GENERATOR- SYSTEM	YAMAMA CEMENT	9100	MBB, MBJ, MBT	E
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MBH10CT005 -P01	SEAL AIR SUPPLY TEMPERATURE PT100	TIZA	PENTRONIC 5803062-001	51082859-1	- -

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MBH20CP005	PRESSURE CHECK POINT	PP		3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S/AG	-	
MR01	TUBE FITTING		PARKER	2028 218-19	-
			M12MSC1/2N	-	
MR02	PLUG		PARKER	3820 322-4	-
			BLPM12	-	
MBH20CP006	PRESSURE CHECK POINT	PP		3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-18	-
			F50S/AG	-	
MR01	TUBE FITTING		PARKER	2028 218-19	-
			M12MSC1/2N	-	
MR02	PLUG		PARKER	3820 322-4	-
			BLPM12	-	
MBH20CP007	PRESSURE CHECK POINT	PP		3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S	-	
MR01	TUBE FITTING		PARKER	2028 218-19	-
			M12MSC1/2N	-	
MR02	PLUG		PARKER	3820 322-4	-
			BLPM12	-	
MBH20CP010	PRESSURE CHECK POINT	PP		3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S	-	
MR01	TUBE FITTING		PARKER	2028 218-19	-
			M12MSC1/2N	-	
MR02	PLUG		PARKER	3820 322-4	-
			BLPM12	-	
MBH20CP015	PRESSURE CHECK POINT	PP		3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S	-	
MR01	TUBE FITTING		PARKER	2028 218-19	-
			M12MSC1/2N	-	
MR02	PLUG		PARKER	3820 322-4	-
			BLPM12	-	
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S	-	
MR01	TUBE FITTING		PARKER	2028 218-19	-
			M12MSC1/2N	-	

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MR02	PLUG		PARKER BLPM12	3820 322-4 -	-
MBH20CP025	PRESSURE CHECK POINT	PP		3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER F50S	3820 533-8 -	-
MR01	TUBE FITTING		PARKER M12MSC1/2N	2028 218-19 -	-
MR02	PLUG		PARKER BLPM12	3820 322-4 -	-
MBH20CT005	PURGE AIR TEMPERATURE AFTER COOLER	TIZA		3820 328-12	-
-P01	PT100		PENTRONIC 5803062-001	51082859-1 -	-

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MBK10CT005	TEMPERATURE RADIAL BEARING PINION TURBINE SIDE	TIA			-
-P01	PT100		THERMO EST		-
MBK10CT010	TEMPERATURE RADIAL BEARING PINION GENERATOR SIDE	TIA			-
-P01	PT100		THERMO EST		-
MBK10CT025	TEMPERATURE RADIAL BEARING WHEEL TURBINE SIDE	TIA			-
-P01	PT100		THERMO EST		-
MBK10CT030	TEMPERATURE RADIAL BEARING WHEEL GENERATOR SIDE	TIA			-
-P01	PT100		THERMO EST		-
MBK10CY005	CASING VIBRATION PINION TURBINE SIDE	YIZA			-
-P01	ACCELEROMETER		BENTLY NEVADA 330400		-
-U01	EXTENSION CABLE		BENTLY NEVADA		-

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MBL20CP005	DIFF. PRESSURE FILTER	PDS	-	-	-
-P01	DIFF. PRESSURE GAUGE WITH SWITCH		DWYER	-	INCLUDED IN JET PULSE FILTER CONTROL BOX MBL30GH005 Donaldson
MBL20CP015	DIFF. PRESSURE FILTER	PDIA	PHOTOHELIC	3820 328-8	-
KA08	QUICK COUPLING		PARKER	3820 538-1	-
KA09	QUICK COUPLING		4M-O6CY-SS PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD		4M-O6CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53/S/MTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		4-4SE-SS FUJI	3820 529-5	Donaldson
MBL30CG005	PLENUM DOOR	GA	FKX12V4-AKAYY-AE	-	-
-P01	LIMIT SWITCH		TELEMECANIQUE XCW-A115 EEExd	-	-
MBL30CM005	AMBIENT AIR HUMIDITY	QC	-	-	-
-P01	HUMIDITY TRANSDUCER		VAISALA HMP233A1B2A2AA12C1A3B	3820 316-8	Donaldson
MBL30CP015	DIFF. PRESSURE INLET PLENUM	PDIZA	-	3820 328-8	-
KA08	QUICK COUPLING		PARKER	3820 538-1	-
KA09	QUICK COUPLING		4M-O6CY-SS PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD		4M-O6CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53/S/MTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
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AIR INTAKE FILTER SYSTEM
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-P01	DIFF. PRESSURE TRANSMITTER		FUJI FKKX33V4-AKAYY-AE	3820 529-27	-
MBL30CT005	AMBIENT TEMPERATURE	TC			
-P01	TEMPERATURE TRANSMITTER		VAISALA HMP233A1B2A2AA12C1A3B		PART OF HUMIDITY TRANSDUCER MBL30 CM005

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MBN10CF005	FLOW	FI	-	-	-
-P01	TOTALIZER/RATEMETER		MINITROL-S		220VAC.
-P01	PICK UP INC. DRY/SLEEVE		MRTSB3ACE BEG33		Incl. 3m cable.
QP01	SCREW-VOLUMETER		KRAL	2020 481-7	FLANGED DN40/PN16/PN40/PN10
-			OMG52.31103		
MBN10CL005	LEVEL IN FUEL TANK	LA	-	-	-
-P01	LEVEL SWITCH		KUBLER	3820315-30	-
MBN10CP005	DIFF. PRESSURE FUEL FILTER	PDIA	-	3820 328-8	-
KA08	QUICK COUPLING		PARKER 4M-Q6CY-SS	3820 538-1	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	FIVE WAY MANIFOLD		4M-Q6CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53/S/MTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		4-4SE-SS FUJI	3820 339-25	-
-			FKX36V4-AXYY-AE		
MBN10CP020	PRESSURE BEFORE MANIFOLD	PP	-	3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
MR01	TUBE FITTING		F50S PARKER	2028 218-19	-
MR02	PLUG FOR TUBE FITTING		M12MSC1/2N PARKER	3820 322-4	-
-			BLPM12		
MBN10CP035	DIFF. PRESSURE BEFORE MANIFOLD / P3	PDIC	-	3820 328-8	-
KA08	QUICK COUPLING		PARKER	3820 538-1	-
-			4M-Q6CY-SS		

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KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD		4M-06CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53/S/MTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		4-4SE-SS FUJI	3820 529-23	-
			FKX37V4-AKAYY-AE		
MBN10CT005	TEMPERATURE LIQUID FUEL TANK	TI		3820 328-12	-
-P01	PT100		PENTRONIC	3820 537-36	-
			5803062-003		
MBN30CP005	PRESSURE INSTRUMENT AIR	PIA		3820 328-9	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	TWO WAY MANIFOLD		4M-06CY-SS OLIVER	3820 533-2	-
MR01	ADAPTOR		G12FF/S/MTG PALMSTIERNA	3820 312-1	-
-P01	PRESSURE TRANSMITTER		SKMMNPT1/2" FUJI	3820 530-7	-
			FKPV03V4-AKAYY-0Y		
MBN30CP010	PRESSURE PURGE AIR	PIA		3820 328-9	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	2 WAY MANIFOLD		4M-06CY-SS OLIVER	3820 533-2	-
MR01	ADAPTOR		G12FF/S/MTG PALMSTIERNA	3820 312-1	-
-P01	PRESSURE TRANSMITTER		SKMMNPT1/2" FUJI	3820 530-20	-
			FKPV04V4-AKAYY-0Y		
MBU10CF405	LEVEL DOSAGE TANK 1		AHSELL		-
KA01	SHUT-OFF VALVE		AVI 2222/23		-

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KA02	SHUT-OFF VALVE	-	-	-	-
KA03	SHUT-OFF VALVE	-	-	-	-
QP01	LEVEL GAUGE	-	-	-	-
		-	-	-	-

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LIQUID FUEL SYSTEM

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MBP05CF005	FLOW GAS FUEL	FI			
-P01	FLOW METER		ENDRESS & HAUSER		EExd IIC T2-T6 TYP. PROLINE PROMASS 80F80-RABSACEAABAA
			SEE REMARK		
MBP05CL020	CONDENSATE INDICATOR	LI			
QP01	SIGHT GLASS		DOUGLAS		
			S 300.40 Bar 1/2" PLAIN TYPE		
MBP05CL025	CONDENSATE INDICATOR	LI			
QP01	SIGHT GLASS		DOUGLAS		
			S 300.40 Bar 1/2" PLAIN TYPE		
MBP05CP003	TEMPERATURE GAS FUEL UNIT 1	PP		3820 328-11	
MR01	THERMOWELL		PENTRONIC	3820 537-33	
MR02	PLUG		PENTRONIC	3820 537-22	
			5803001-001		
MBP05CP005	DIFF. PRESS. GAS FUEL FILTER	PDIA		3820 328-8	
KA01	ISOLATION VALVE		OLIVER	3820 533-8	
			F50S		
KA02	ISOLATION VALVE		OLIVER	3820 533-8	
			F50S		
KA08	QUICK COUPLING		PARKER	3820 538-1	
			4M-Q6CY-SS		
KA09	QUICK COUPLING		PARKER	3820 538-1	
			4M-Q6CY-SS		
KA10	5 WAY MANIFOLD		OLIVER	3820 533-3	
			Y53/S/MTG		
-P01	DIFF. PRESSURE TRANSMITTER		FUJI		IP67 EExd IIC T5/T6
			FKKW35V4-AXAYY-AE		
MBP05CP008	TEMPERATURE GAS FUEL UNIT 1	PP		3820 328-11	
MR01	THERMOWELL		PENTRONIC	3820 537-33	
			5801055-001		
MR02	PLUG		PENTRONIC	3820 537-22	
			5803001-001		

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GAS FUEL SYSTEM

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MBP05CP010	PRESS. GAS FUEL	PI	-	3820 328-2	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	2 WAY MANIFOLD		4M-Q6CY-SS OLIVER	3820 533-2	-
MR01	UNION TEE		G12FF/S/MTG PARKER	2028 227-9	-
MR02	ADAPTOR		M12 MBT½"N PALMSTIERNA	3820 312-2	-
QP01	PRESSURE GAUGE		SKMFBT½" WIKA	1CSD293646-15	-
			233.50.100	-	-
MBP05CP025	PRESS. GAS FUEL	PI	-	3820 328-2	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	2 WAY MANIFOLD		4M-Q6CY-SS OLIVER	3820 533-2	-
MR01	UNION TEE		G12FFS/MTG PARKER	2028 227-9	-
MR02	ADAPTOR		M12 MBT½"N PALMSTIERNA	3820 312-2	-
QP01	PRESSURE GAUGE		SKMFBT½" WIKA	1CSD293646-15	-
			233.50.100	-	-
MBP10CP015	GAS FUEL PRESSURE	PIZA	-	3820 328-9	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	TWO WAY MANIFOLD		4M-Q6CY-SS OLIVER	3820 533-2	-
MR01	ADAPTOR		G12FF/S/MTG PALMSTIERNA	3820 312-1	-
-P01	PRESSURE TRANSMITTER		SKMMNPT1/2" FUJI	3820 530-17	-
			FKPV04V4-AKAYY-0Y	-	-
MBP10CP030	INSTRUMENT AIR PRESSURE	PI	-	-	-
QP01	PRESSURE GAUGE		HOERBIGER KG 8011	-	-

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MBP10CP035	INSTRUMENT AIR PRESSURE	PI	-	-	-
QP01	PRESSURE GAUGE	-	HOERBIGER KG 8011	-	-
MBP10CP050	PRESSURE TRANSMITTER MAIN CONTROL VALVE	PIC	-	-	-
KA09	QUICK COUPLING	-	PARKER 4M-06CY-SSP	3820 538-1	-
KA10	2 WAY MANIFOLD	-	OLIVER Y53/S/MTG	3820 533-2	-
-MR01	ADAPTER	-	PALMSTEIRNA SKIMMNP 1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER	-	FUJI FKPV04V4-AKAYY-OY	3820 530-4	-
MBP10CT005	GAS FUEL TEMPERATURE	TIZA	-	3820 328-12	-
-P01	PT100	-	PENTRONIC 5803070-001	3820 537-40	-
MBP20CP005	PRESSURE TRANSMITTER PILOT CONTROL VALVE	PIC	-	-	-
KA09	QUICK COUPLING	-	PARKER 4M-06CY-SSP	3820 538-1	-
KA10	2 WAY MANIFOLD	-	OLIVER Y53/S/MTG	3820 533-2	-
-MR01	ADAPTER	-	PALMSTEIRNA SKIMMNP 1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER	-	FUJI FKPV04V4-AKAYY-OY	3820 530-4	-

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GAS FUEL SYSTEM

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MBQ10CP005	GAS PRESSURE	PI		3820 328-2	
KA09	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/S/MTG	3820 533-2	-
MR01	UNION TEE		PARKER ETM12-316	3820 322-5	-
MR02	ADAPTOR		PALMSTIERNA SKMFBT1/2"	3820 312-2	-
QP01	PRESSURE GAUGE		IMT 233.50.100	3820 317-12	-
MBQ10CP010	GAS PRESSURE BEFORE ORIFICE	PI			
KA01	OVERPRESSURE PROTECTOR		IMT	3820 332-2	-
KA09	QUICK COUPLING		9091521 PARKER	3820 538-1	-
KA10	TWO WAY MANIFOLD		4M-O6CY-SS OLIVER	3820 533-2	-
MR01	UNION TEE		G12FF/S/MTG PARKER	3820 322-5	-
MR02	ADAPTOR		ETM12-316 PALMSTIERNA	3820 312-2	-
QP01	PRESSURE GAUGE		SKMFBT 1/2" IMT	3820 317-7	-
			233.50.100		
MBQ10CP400	AIR PRESSURE	PI			
QP01	PRESSURE GAUGE		NORGREN		Threaded 1/8" connection.
			18-013-013		
MBQ20CP005	GAS PRESSURE TO BURNER No. 6	PI		3820 328-2	
KA09	QUICK COUPLING		PARKER	3820 538-1	-
KA10	TWO WAY MANIFOLD		4M-O6CY-SS OLIVER	3820 533-2	-
MR01	UNION TEE		G12FF/S/MTG PARKER		-
			ETM20-316		

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MR02	ADAPTOR		PALMSTIERNA	3820 312-2	-
QP01	PRESSURE GAUGE		SKMFBT1/2" IMT 233.50.100	3820 317-12	-

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MBV10CL005	LUBE OIL TANK LEVEL	LI	-	-	INCLUDED IN MBV10CL010
QP01	LEVEL GAUGE	-	-	-	-
MBV10CL010	LUBE OIL TANK LEVEL	LIA	-	-	-
-P01	LEVEL TRANSMITTER	-	KUEBLER see remark	3820 315-18	UMG-125/16-VK5-ZMU-L720-V60-MRA
MBV10CP005	PRESSURE IN LUBE OIL TANK	PI	-	3820 328-2	-
KA09	QUICK COUPLING	-	PARKER	3820 538-1	-
KA10	TWO WAY MANIFOLD	-	4M-Q6CY-SS OLIVER	3820 533-2	-
MR01	UNION TEE	-	G12FF/S/MTG PARKER	3820 322-5	-
MR02	ADAPTOR	-	ETM12	3820 312-2	-
QP01	PRESSURE GAUGE	-	PALMSTIERNA SKMFBT1/2" IMT	3820 317-1	-
			1563		
MBV10CP010	DIFF. PRESSURE OIL MIST FILTER	PDI	-	-	-
QP01	DIFF. PRESSURE GAUGE	-	DWYER MAGNAHELIC	-	INCLUDED IN OIL MIST FILTER
MBV10CP015	PRESSURE IN LUBE OIL TANK	PIZA	-	3820 328-8	-
KA08	QUICK COUPLING	-	PARKER	3820 538-1	-
KA09	QUICK COUPLING	-	4M-Q6CY-SS PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD	-	4M-Q6CY-SS OLIVER	3820 533-11	-
MR01	90° STREET ELBOW	-	Y53/S/AT/MTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW	-	4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER	-	4-4SE-SS FUJI FKKX33V4-AKAYY-AE	3820 529-24	-

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MBV10CP020	PRESSURE IN LUBE OIL RETURN PIPE FROM BEARING 1	PP	-	3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER F50S	3820 533-8	-
KA02	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
MR01	REDUCING BUSHING		PARKER 8-4RB	3820 322-2	-
MBV10CP025	PRESSURE IN LUBE OIL RETURN PIPE FROM BEARING NO. 3 AND 4	PP	-	3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER F50S	3820 533-8	-
KA02	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
MR01	REDUCING BUSHING		PARKER 8-4RB	3820 322-2	-
MBV10CP030	PRESSURE IN LUBE OIL RETURN PIPE GENERATOR	PP	-	3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER F50S	3820 533-8	-
KA02	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
MR01	REDUCING BUSHING		PARKER 8-4RB	3820 322-2	-
MBV10CP035	PRESSURE GEAR	PP	-	3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER F50S	3820 533-8	-
KA02	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
MR01	REDUCING BUSHING		PARKER 8-4RB	3820 322-2	-
MBV10CT005	LUBE OIL TANK TEMPERATURE	TI	-	-	-
QP01	THERMOMETER		IMT T378	3820 317-24	-
MBV10CT010	LUBE OIL TANK TEMPERATURE	TISA	-	-	-

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-P01	PT-100		PENTRONIC 5805105-001	3820 359-2	-
	TEMP. OIL HEATER	TIC			
MBV10CT015					
-P01	THERMOSTATE		JUMO	2045 772-1 X)	X) PROGRAMMABLE TEMPERATURE LIMITING / CONTROL DEVICE.
-P02	PT-100		JUMO	2045 793-1 X)	X) PUSH-IN RESISTANCE THERMOMETERS 2x PT100 IN 3 WIRE CIRCUIT. ONE PT100 IS USED FOR MBV10CT015-P01. ONE PT100 IS USED FOR MBV10CT025-P01
	TEMP. OIL HEATER	TIC			
MBV10CT020					
-P01	THERMOSTATE		JUMO	2045 772-1 X)	X) PROGRAMMABLE TEMPERATURE LIMITING / CONTROL DEVICE.
-P02	PT-100		JUMO	2045 793-1 X)	X) PUSH-IN RESISTANCE THERMOMETERS 2x PT100 IN 3 WIRE CIRCUIT. ONE PT100 IS USED FOR MBV10CT015-P01. ONE PT100 IS USED FOR MBV10CT025-P01
	TEMP. OIL HEATER	TIA			
MBV10CT025					
-P01	THERMOSTATE		JUMO	2045 772-1 X)	X) PROGRAMMABLE TEMPERATURE LIMITING / CONTROL DEVICE.
-P02	PT-100		JUMO	2045 793-1 X)	X) PUSH-IN RESISTANCE THERMOMETERS 2x PT100 IN 3 WIRE CIRCUIT. ONE PT100 IS USED FOR MBV10CT020-P01. ONE PT100 IS USED FOR MBV10CT030-P01
	TEMP. OIL HEATER	TIA			
MBV10CT030					
-P01	THERMOSTATE		JUMO	2045 772-1 X)	X) PROGRAMMABLE TEMPERATURE LIMITING / CONTROL DEVICE.
-P02	PT-100		JUMO	2045 793-1 X)	X) PUSH-IN RESISTANCE THERMOMETERS 2x PT100 IN 3 WIRE CIRCUIT. ONE PT100 IS USED FOR MBV10CT020-P01. ONE PT100 IS USED FOR MBV10CT030-P01

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MBV21CP005	PRESSURE AFTER MBV21 AP005	PSA	-	3820 328-4	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	
KA10	TWO WAY MANIFOLD		OLIVER	3820 533-10	-
			G12FF/S/AT/MTG	-	
MR01	ADAPTOR		PALMSTIERNA	3820 312-1	-
			SKMMNPT1/2"	-	
-P01	PRESSURE SWITCH		CCS	3820 313-5	-
			6900GZ12-7077	-	
MBV22CP005	PRESSURE AFTER MBV22 AP005	PSA	-	3820 328-4	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	
KA10	TWO WAY MANIFOLD		OLIVER	3820 533-10	-
			G12FF/S/AT/MTG	-	
MR01	ADAPTOR		PALMSTIERNA	3820 312-1	-
			SKMMNPT1/2"	-	
-P01	PRESSURE SWITCH		CCS	3820 313-5	-
			6900GZ12-7077	-	
MBV23CP005	PRESSURE AFTER MBV23 AP005	PSA	-	3820 328-4	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	
KA10	TWO WAY MANIFOLD		OLIVER	3820 533-10	-
			G12FF/S/AT/MTG	-	
MR01	ADAPTOR		PALMSTIERNA	3820 312-1	-
			SKMMNPT1/2"	-	
-P01	PRESSURE SWITCH		CCS	3820 313-5	-
			6900GZ12-7077	-	
MBV30CP010	PRESSURE AFTER LUBE OIL COOLER	PP	-	3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S	-	
KA02	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	
MR01	REDUCING BUSHING		PARKER	3820 322-2	-
			8-4RB	-	

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MBV30CT010	TEMPERATURE AFTER LUBE OIL COOLER	TP	-	3820 328-11	-
MR01	THERMOWELL		PENTRONIC 5801055-001	3820 537-33	-
MR02	PLUG		PENTRONIC 5803001-001	3820 537-22	-
MBV40CP010	DIFF. PRESSURE LUBE OIL FILTER	PDIA	-	3820 328-8	-
KA08	QUICK COUPLING		PARKER 4M-06CY-SS	3820 538-1	-
KA09	QUICK COUPLING		PARKER 4M-06CY-SS	3820 538-1	-
KA10	FIVE WAY MANIFOLD		OLIVER Y53/S/MTG	3820 533-3	-
MR01	90° STREET ELBOW		PARKER 4-4SE-SS	3820 322-3	-
MR02	90° STREET ELBOW		PARKER 4-4SE-SS	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		FUJI FKX36V4-AKAYY-AE	3820 529-22	-
MBV40CP015	LUBE OIL PRESSURE	PIZA	-	3820 328-9	-
KA09	QUICK COUPLING		PARKER 4M-06CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/S/AT/MTG	3820 533-10	-
MR01	UNION TEE		PARKER ETM12	3820 322-5	-
MR02	ADAPTOR		PALMSTIERNA SKMMNPT1/2"	3820 312-1	-
-P01	PRESSURE TRANSMITTER		FUJI FKPV02V4-AKAYY-0Y	3820 530-3	-
MBV40CP020	LUBE OIL PRESSURE	PI	-	3820 328-2	-
KA09	QUICK COUPLING		PARKER 4M-06CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/S/MTG	3820 533-2	-

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MR01	UNION TEE		PARKER	3820 322-5	-
-			ETM12	-	
MR02	ADAPTOR		PALMSTIERNA	3820 312-2	-
-			SKMFBT1/2"	-	
QP01	PRESSURE GAUGE		IMT	3820 317-7	-
-			2325	-	
MBV40CP025	LUBE OIL PRESSURE	PIZA	-	3820 328-9	-
-			-		
KA09	QUICK COUPLING		PARKER	3820 538-1	-
-			4M-Q6CY-SS	-	
KA10	TWO WAY MANIFOLD		OLIVER	3820 533-10	-
-			G12FF/S/AT/MTG	-	
MR01	ADAPTOR		PALMSTIERNA	3820 312-1	-
-			SKMMNPT1/2"	-	
-P01	PRESSURE TRANSMITTER		FUJI	3820 530-3	-
-			FKPV02V4-AKAYY-0Y	-	
MBV40CP030	PRESSURE BEARING 1	PP	-	3820 328-1	-
-			-		
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
-			F50S	-	
KA02	QUICK COUPLING		PARKER	3820 538-1	-
-			4M-Q6CY-SS	-	
MR01	REDUCING BUSHING		PARKER	3820 322-2	-
-			8-4RB	-	
MBV40CP035	PRESSURE BEARING 3 AND 4	PP	-	3820 328-1	-
-			-		
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
-			F50S	-	
KA02	QUICK COUPLING		PARKER	3820 538-1	-
-			4M-Q6CY-SS	-	
MR01	REDUCING BUSHING		PARKER	3820 322-2	-
-			8-4RB	-	
MBV40CP040	PRESSURE GENERATOR	PP	-	3820 328-1	-
-			-		
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
-			F50S	-	
KA02	QUICK COUPLING		PARKER	3820 538-1	-
-			4M-Q6CY-SS	-	

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MR01	REDUCING BUSHING		PARKER 8-4RB	3820 322-2	-
MBV40CP045	PRESSURE GEARBOX	PP		3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER F50S	3820 533-8	-
KA02	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
MR01	REDUCING BUSHING		PARKER 8-4RB	3820 322-2	-
MBV40CT005	LUBE OIL SUPPLY TEMPERATURE	TIZA		3820 328-12	-
-P01	PT100		PENTRONIC 5803062-002	3820 537-35	-
MBV40CT010	LUBE OIL SUPPLY TEMPERATURE	TI		3820 328-10	-
QP01	THERMOMETER		IMT 4542608901	3820 317-8	-
MBV40CT015	LUBE OIL SUPPLY TEMPERATURE	TIZA		3820 328-12	-
-P01	PT100		PENTRONIC 5803062-002	3820 537-35	-
MBV51CP005	PRESSURE AFTER MBV51 AP005	PSA		3820 328-4	-
KA09	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/S/AT/MTG	3820 533-10	-
MR01	ADAPTOR		PALMSTIERNA SKMMNPT1/2"	3820 312-1	-
-P01	PRESSURE SWITCH		CCS 6900GZ14-7077	3820 313-28	-
MBV52CP005	PRESSURE AFTER MBV52 AP005	PSA		3820 328-4	-
KA09	QUICK COUPLING		PARKER 4M-O6CY-SS	3820 538-1	-
KA10	TWO WAY MANIFOLD		OLIVER G12FF/S/AT/MTG	3820 533-10	-

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MR01	ADAPTOR		PALMSTIERNA	3820 312-1	-
-P01	PRESSURE SWITCH		SKMMNPT1/2"	-	-
			CCS	3820 313-28	-
			6900GZ14-7077	-	-
MBV53CP005	PRESSURE AFTER MBV53 AP005	PSA		3820 328-4	
KA09	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	-
KA10	TWO WAY MANIFOLD		OLIVER	3820 533-10	-
			G12FF/S/AT/MTG	-	-
MR01	ADAPTOR		PALMSTIERNA	3820 312-1	-
			SKMMNPT1/2"	-	-
-P01	PRESSURE SWITCH		CCS	3820 313-28	-
			6900GZ14-7077	-	-
MBV54CP005	LUBE OIL DIFF. PRESSURE FOR BEARING 2	PDI		3820 328-3	
KA08	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	-
KA09	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	-
KA10	FIVE WAY MANIFOLD		OLIVER	3820 533-4	-
			Y54/S/MTG	-	-
MR01	90° STREET ELBOW		PARKER	3820 322-3	-
			4-4SE-SS	-	-
MR01	90° STREET ELBOW		PARKER	3820 322-3	-
			4-4SE-SS	-	-
QP01	DIFF. PRESSURE GAUGE		IMT	3820 317-16	-
			2705	-	-
MBV54CP010	LUBE OIL PRESSURE FOR BEARING 2	PI		3820 328-2	
KA09	QUICK COUPLING		PARKER	3820 538-1	-
			4M-O6CY-SS	-	-
KA10	TWO WAY MANIFOLD		OLIVER	3820 533-2	-
			G12FF/S/MTG	-	-
MR01	UNION TEE		PARKER	3820 322-5	-
			ETM12	-	-
MR02	ADAPTOR		PALMSTIERNA	3820 312-2	-
			SKMFBT1/2"	-	-

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QP01	PRESSURE GAUGE	IMT		3820 317-5	
		2325			
MBV54CP015	DIFF. PRESSURE BEARING 2	PDIZA		3820 328-8	
KA08	QUICK COUPLING	PARKER		3820 538-1	-
		4M-O6CY-SS			
KA09	QUICK COUPLING	PARKER		3820 538-1	-
		4M-O6CY-SS			
KA10	FIVE WAY MANIFOLD	OLIVER		3820 533-11	-
		Y53/S/AT/MTG			
MR01	UNION TEE	PARKER		3820 322-5	-
		ETM12			
MR02	UNION TEE	PARKER		3820 322-5	-
		ETM12			
MR03	90° STREET ELBOW	PARKER		3820 322-3	-
		4-4SE-SS			
MR04	90° STREET ELBOW	PARKER		3820 322-3	-
		4-4SE-SS			
-P01	DIFF. PRESSURE TRANSMITTER	FUJI		3820 529-20	-
		FKX36V4-AKAYY-AE			
MBV54CP020	DIFF. PRESSURE BEARING 2	PDIZA		3820 328-8	
KA08	QUICK COUPLING	PARKER		3820 538-1	-
		4M-O6CY-SS			
KA09	QUICK COUPLING	PARKER		3820 538-1	-
		4M-O6CY-SS			
KA10	FIVE WAY MANIFOLD	OLIVER		3820 533-11	-
		Y53/S/AT/MTG			
MR01	UNION TEE	PARKER		3820 322-5	-
		ETM12			
MR02	UNION TEE	PARKER		3820 322-5	-
		ETM12			
MR03	90° STREET ELBOW	PARKER		3820 322-3	-
		4-4SE-SS			
MR04	90° STREET ELBOW	PARKER		3820 322-3	-
		4-4SE-SS			
-P01	DIFF. PRESSURE TRANSMITTER	FUJI		3820 529-20	-
		FKX36V4-AKAYY-AE			

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MBV54CP030	PRESSURE IN LUBE OIL PIPE TO BEARING 2	PP	-	3820 328-1	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S	-	-
KA02	QUICK COUPLING		PARKER	3820 538-1	-
			4M-06CY-SS	-	-
MR01	REDUCING BUSHING		PARKER	3820 322-2	-
			8-4RB	-	-
MBV60CL005	LEVEL BEARING 2	LZ	-	-	-
			-	-	-
-P01	LEVEL SWITCH		KUBLER	2022 390-1	-
			ABVU-SG141-AL	-	-
MBV60CP005	PRESSURE IN LUBE OIL RETURN PIPE FROM BEARING 2	PP	-	3820 328-1	-
			-	-	-
KA01	SHUT OFF VALVE		OLIVER	3820 533-8	-
			F50S	-	-
KA02	QUICK COUPLING		PARKER	3820 538-1	-
			4M-06CY-SS	-	-
MR01	REDUCING BUSHING		PARKER	3820 322-2	-
			8-4RB	-	-

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MKA10CT005	GENERATOR DRIVING END BEARING TEMPERATURE	TIA			-
-P01	PT100		MINCO	S 857PD162Z217	-
-P02	PT100		-	-	SPARE
MKA10CT010	GENERATOR NON DRIVING END BEARING TEMPERATURE	TIA			-
-P01	PT100		MINCO	S 857PD162Z217	-
-P02	PT100		-	-	SPARE
MKA10CT015	GENERATOR COOL AIR DRIVING END TEMPERATURE	TIA			-
-P01	PT100		MINCO	S 857PD40Z217	-
-P02	PT100		-	-	SPARE
MKA10CT020	GENERATOR WARM AIR TEMPERATURE	TIA			-
-P01	PT100		MINCO	S 857PD40Z217	-
-P02	PT100		-	-	SPARE
MKA10CT025	GENERATOR COOL AIR NON DRIVING END TEMPERATURE	TIA			-
-P01	PT100		MINCO	S 857PD40Z217	-
-P02	PT100		-	-	SPARE
MKA10CT030	GENERATOR STATOR TEMPERATURE PHASE 1	TIZA			-
-P01	PT100		MINCO	S 11016PD120T500Z1	-
-P02	PT100		-	-	SPARE
MKA10CT035	GENERATOR STATOR TEMPERATURE PHASE 2	TIZA			-

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-P01	PT100	MINCO	S 11016PD120T500Z1	-	
-P02	PT100	-	-	-	SPARE
MKA10CT040 GENERATOR STATOR TEMPERATURE PHASE 3					
TIZA					
-P01	PT100	MINCO	S 11016PD120T500Z1	-	
-P02	PT100	-	-	-	SPARE
MKA10CY005 VIBRATION BEARING DRIVING END					
YIZA					
-P01	VELOMITOR	BENTLY NEVADA 330500-02-00	-	3300 M8x1	
MKA10CY010 VIBRATION BEARING NOT DRIVING END					
YIZA					
-P01	VELOMITOR	BENTLY NEVADA 330500-02-00	-	3300 M8x1	

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SAAG10CP005	DIFF. PRESSURE GASTURBINE ROOM FAN	PDIZ	-	3820 328-7	-
KA08	QUICK COUPLING		PARKER	3820 538-1	-
KA09	QUICK COUPLING		4M-O6CY-SS PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD		4M-O6CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53SMTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		4-4SE-SS FUJI	3820 529-5	-
SAAG10CP003	PRESSURE DOWNSTREAM INLET FILTER	PDI	FKKX12V4-AKAYY-AE DWYER	1CS29458-1	-
-P01	DIFF. PRESSURE GAUGE		-	-	-
SAAG10CP005	DIFF. PRESSURE GASTURBINE ROOM	PDIA	MAGNEHELIC 2000	3820 328-7	Purchased at HG4011
KA08	QUICK COUPLING		PARKER	3820 538-1	-
KA09	QUICK COUPLING		4M-O6CY-SS PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD		4M-O6CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53SMTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		4-4SE-SS FUJI	3820 529-5	-
SAAG10CP010	DIFF. PRESSURE GASTURBINE ROOM FAN	PDIZ	FKKX12V4-AKAYY-AE	3820 328-7	-
KA08	QUICK COUPLING		PARKER	3820 538-1	-
KA09	QUICK COUPLING		4M-O6CY-SS PARKER	3820 538-1	-

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KA10	5 WAY MANIFOLD		OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53SMTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		4-4SE-SS FUJI FKKX12V4-AKAYY-AE	3820 529-5	-

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KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK
SAC10CT005	ROOM THERMOSTATE	TC	JOHNSON CONTROL	-	-
SAC20CT005	ROOM THERMOSTATE	TC	JOHNSON CONTROL A28AA	-	-

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SAE30CP020	PRESSURE GAUGE	PDI	MAGNEHELIC 2000	-	-
-	-	-	-	-	-
-	-	-	-	-	-
SAE40CP015	DIFF. PRESS. INLET FILTER, GENERATOR	PDIA		3820 328-7	-
KA08	QUICK COUPLING		PARKER	3820 538-1	-
KA09	QUICK COUPLING		4M-O6CY-SS PARKER	3820 538-1	-
KA10	5 WAY MANIFOLD		4M-O6CY-SS OLIVER	3820 533-3	-
MR01	90° STREET ELBOW		Y53/S/MTG PARKER	3820 322-3	-
MR02	90° STREET ELBOW		4-4SE-SS PARKER	3820 322-3	-
-P01	DIFF. PRESSURE TRANSMITTER		4-4SE-SS FUJI	3820 529-5	-
SAE40CP025	DIFF. PRESS. INLET FILTER, GENERATOR	PDS	FKKX12V4-AKAYY-AE DONALDSON	-	-
-	-	-	-	-	-
-	DIFF. PRESS. SWITCH WITH GAUGE		DWYER	-	-
-	-	-	-	-	-

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SDB10CL005	LEVEL IN TANK BB005	LI	-	-	PTFE hose
-	LEVEL	-	-	-	Nickel plated brass/plastic
-	LEVEL	-	GTE P/N20273/20274	-	
SDB10CL010	LEVEL IN TANK BB005	LS	HONSBURG	-	
-	LEVEL SWITCH	-	-	-	Stainless Steel
-P01	LEVEL SWITCH	-	GTE P/N 20086	-	
SDB10CL015	LEVEL IN TANK BB010	LI	-	-	
-	LEVEL	-	-	-	Nickel plated brass/plastic
QP01	LEVEL	-	GTE P/N20273/20274	-	
SDB10CL020	LEVEL IN TANK BB010	LS	HONSBURG	-	
-	LEVEL SWITCH	-	-	-	Stainless Steel
-P01	LEVEL SWITCH	-	GTE P/N 20086	-	
SDB10CP005	PRESSURE AFTER PUMP AP005	PI	ENFM	-	
-	PRESSURE GAUGE	-	-	-	Stainless Steel/Brass
QP01	PRESSURE GAUGE	-	GTE P/N 20036	-	
SDB10CP010	PRESSURE AFTER PUMP AP005	PS	SUCO	-	
-	PRESSURE SWITCH	-	-	-	Stainless Steel/Brass
-P01	PRESSURE SWITCH	-	GTE P/N 20094	-	
SDB10CT005	TEMPERATURE IN TANK BB005	TI	STÖRK	-	
-	TEMPERATURE GAUGE	-	-	-	Brass/Stainless Steel/Plastic
QP01	TEMPERATURE GAUGE	-	GTE P/N 20037	-	
SDB10CT010	TEMPERATURE IN TANK BB005	TS	STÖRK	-	
-	TEMPERATUR SWITCH	-	-	-	Brass/Stainless Steel/Plastic
-P01	TEMPERATUR SWITCH	-	GTE P/N 20037	-	
SDB10CT015	TEMPERATURE IN TANK BB010	TI	STÖRK	-	
-	TEMPERATURE GAUGE	-	-	-	Brass/Stainless Steel/Plastic
QP01	TEMPERATURE GAUGE	-	GTE P/N 20037	-	
SDB10CT020	TEMPERATURE IN TANK BB010	TS	STÖRK	-	
-	TEMPERATURE IN TANK BB010	-	-	-	

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COMPRESSOR WASHING SYSTEM

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-P01	TEMPERATUR SWITCH	-	GTE P/N 20037	-	Brass/Stainless Steel/Plastic
SDB60CL005	LEVEL IN DRAINAGE TANK LOOKING GLASS	LI	SONSTORP	2034 965-12	Stainless Steel

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SFY10CQ005	GAS DETECTION	QZA	-	-	-
-P01	GAS DETECTOR		DRÄGER POLYTRON SE Ex HTM		DMT97 ATEX E001X
SFY10CQ010	GAS DETECTION	QZA	-	-	-
-P01	GAS DETECTOR		DRÄGER POLYTRON SE Ex HTM		DMT97 ATEX E001X

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SGJ10CG005	BOTTLE CONTENT IN PILOT BOTTLE FOR GAS TURBINE ENCLOSURE	GA	-	-	-
-S11	LIMIT SWITCH	-	Minimax	-	M3-11-03/1 M8-3-11-03/1
-			875550	-	
SGJ10CG010	BOTTLE CONTENT IN MAIN BATTERY BOTTLES FOR GAS TURBINE ENCLOSURE	GA	-	-	-
-	LIGHT BARRIER	-	Minimax	-	M3-11-02/1 M8-3-11-02/1
-			876530	-	
SGJ10CG015	PNEUMATIC TIMER ACTIVATED FOR GAS TURBINE ENCLOSURE	GZ	-	-	-
-	LIMIT SWITCH	-	Minimax	-	M3-04-07/2
-			755934	-	
SGJ10CP005	CONFIRMATION CO2-RELEASED SWITCH	PA	-	-	-
-P01	PRESSURE SWITCH	-	Minimax	-	M3-6-9/1 M8-3-6-9/2
-			826758	-	
SGJ10CG005	FIRE DETECTION GAS TURBINE ENCLOSURE	QZA	-	-	-
-P01	IR flame detector	-	Minimax	-	VdS G 296 016 -25°C TO +80°C Exxi
-			FMX 3501EX, 800000	-	
SGJ10CG010	FIRE DETECTION GAS TURBINE ENCLOSURE	QZA	-	-	-
-P01	IR flame detector	-	Minimax	-	VdS G 296 016 -25° to +80°C Exxi
-			FMX 3501EX, 800000	-	
SGJ10CG015	FIRE DETECTION GAS TURBINE ENCLOSURE	QZA	-	-	-
-P01	IR flame detector	-	Minimax	-	VdS G 296 016 -25°C TO +80°C Exxi
-			FMX 3501EX, 800000	-	
SGJ10CG020	FIRE DETECTION GAS TURBINE ENCLOSURE	QZA	-	-	-

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KKS DES. CUSTOMER DES.	AGGREGATE DESCRIPTION COMPONENT DESCRIPTION	FUNCTION LETTER CODE	MANUFACTURER MANUFACTURER CODE	PURCHASE DRAWING MEC. TYPE DRAWING	REMARK	Plant	Des	Title	
								year-month-day	Year
-P01	IR flame detector	-	Minimax	-	VdS G 296 016 -25°C to +80°C Exi				
-			FMX 3501EX, 800000	-					
SGJ10CQ530	FIRE DETECTION AUX. ENCLOSURE	QZA							
-P01	IR flame detector	-	Minimax	-	VdS G 296016				
-			FMX 3511, 891319	-					
SGJ10CT005	FIRE DETECTION GAS TURBINE ENCLOSURE	TZ							
-P01	HEAT DETECTOR	-	Fenwal	-	VdS 28013, EEx dll C T6, max 150°C Ambient Temp.				
-			27121-0-162°C	-					
SGJ10CT010	FIRE DETECTION GAS TURBINE ENCLOSURE	TZ							
-P01	HEAT DETECTOR	-	FENWAL	-	VdS 28013, EEx dll C T6, max 150°C Ambient Temp.				
-			27121-0-162°C	-					
SGJ10CT015	FIRE DETECTION GAS TURBINE ENCLOSURE	TZ							
-P01	HEAT DETECTOR	-	FENWAL	-	VdS 28013, EEx dll C T6, max 150°C Ambient Temp.				
-			27121-0-162°C	-					
SGJ10CT020	FIRE DETECTION GAS TURBINE ENCLOSURE	TZ							
-P01	HEAT DETECTOR	-	Fenwal	-	VdS 28013, EEx dll C T6, max 150°C Ambient Temp.				
-			27121-0-162°C	-					
SGJ10CT515	FIRE DETECTION AUX. ENCLOSURE	TZ							
-P01	HEAT DETECTOR	-	Minimax	-	VdS G 293032				
-			WMX 1000 F 90, 761835	-					
SGJ10CT520	FIRE DETECTION AUX. ENCLOSURE	TZ							
-P01	HEAT DETECTOR	-	Minimax	-	VdS G 293032				
-			WMX 1000 F 90, 761835	-					

This document is issued in Pulse.

Remark -									
Based on Doc no / revision	Orig	year-month-day	Title	FIRE EXTINGUISHING SYSTEM CO2					
Checked by Fredrik Andersson 2007-01-12	Rev	03.11.12		YAMAMA CEMENT					
Appr. by Göran Andersson 2007-01-12	Rev	04.02.26		Order no	B4516	HG	9100	Archive	-
Prepared by S.MALMLÖV	Rev	05.04.05		Doc.no		2046039			
	Rev	07.01.12		INSTRUMENT LIST		SIEMENS			
				Lang.		E			
				Sheet		45			
				Tot.		45			