



# PLAN HISTORY

DATE	REV.	PAGE	DESCRIPTION	DWN.	CHKD.	MGR.
2006.08.07			ISSUED FOR FINAL			

FINAL	IMONO	9313462
	SHIP NAME	ST JOHANNIS
	HULL NO	S-I 203
	DWGNO	2M684001MB
	TITLE	EQUIPMENT LIST IN EIR

M2

(9) SHEETS WITH A COVER

<b>stx</b>	HULL NO.	S-118218311203/04/19/20/23/24/2022/23/24		CLASS	DNV
	TYPE	51,000 DWT CRUDE/PRODUCT OIL TANKER			
MANAGER :		S. J. LEE		<p>TITLE</p> <p><b>EQUIPMENT LIST</b></p> <p><b>IN ENGINE ROOM</b></p>	
		J.S. AHN			
CHECKED :					
DRAWN :		S.R.KIM			
TEL. NO.	055) 548-1867				
DEPT	OUTFITTING BASIC DESIGN TEAM	SCALE NONE	DATE 2006.08.07	DWG. NO. 2M684001MB	REV. NO. 
<b>STX Shipbuilding Co., Ltd.</b>					

# EQUIPMENT LIST

NO.	EQUIPMENTNAME	TYPE I MODEL	CAPACITY		(KG/SET)	MAKER	ADDRESS I E-MAIL or WEB-SITE I TEL, FAX NO.
1	MAIN ENGINE	6S50MC-C	M.C.R : 12,900 BHP X 127 RPM	1	ABOUT 225,000 (DRY)	STX	65-5 Shinchondong, Changwon, Gyeongsangnamdo, 641-370 Korea T : 82-55-280-9504, F : 82-55-284-2190
2	SHAFTING & PROPELLER						
	PROPELLER	AEROFILE, SOLID, FIXED PITCH, KEYLESS	DIA. : ABOUT 6000MM NO. OF BLADE : 4	1	15,870	NAKASHIMA	688-1, JODO-KITAGATA, OKAYAMA, JAPAN www.nakashima.co.jp T : 81-86-279-5111, F : 81-86-279-3107
	PROPELLER SHAFT	FORGED STEEL	ABOUT 470MM	1	8,779		
	INTERMEDIA SHAFT	FORGED STEEL	ABOUT 395MM	1	8,269		
	INTER.SHAFT BEARING	SELF-LUBRICATED	ABOUT 400MM	1	400	JMT	1000, MUKAI-SHINJYO, TOYAMA, 930-9016, JAPAN k.tamura@jmtl.co.jp T:81-76-451-3150, F:81-76-451-3161
	STERN TUBE SEALS	FWD. : STERNGUARDMARK II AFT. : STAND-BY SEAL 48L	FWD. : ABOUT 472MM AFT. ABOUT 470MM	1	372		
	STERN TUBE BEARING	FWD AFT	FWD. : ABOUT 472MM x400L AFT. ABOUT 470MM x1000L	1	746		
	EARTHING DEVICE	SILVER BAND & MILLI- VOLTMETER	ABOUT 395MM	1	11	CORRSTECH KOREA	4F, SUNIL BID #377-2, MANGWON1-DONG, MAPO-GU, SEOUL, KOREA www.corrstech.co.kr, cstkorea@corrstech.co.kr T : 82-2-337-0635, F : 82-2-335-6745
3	STEERING GEAR						
	RUDDER ACTUATOR	ROTARY VANE RV1350-3	1300kNm x 79.3 BAR	1	6,000	ROLLS-ROYCE	N-5217 HAGAVIK, NORWAY www.rolls-royce.com T : 47-5657-1600, F : 47-5630-8241
	PUMP UNIT	LEISTRITZ I PUMP TYPE : L3MF 52/104	430L/MIN, AT 3700RPM 199.2 BAR	1	2,100		
4	M.G.P.S		935 M³/H 3 YEARS	2	271	Wison Walton (CORRPRO) KOREA	1504-7, SONGJUNG-DONG, KANGSUE-GU, PUSAN, KOREA wwcorrpr@chol.com T : 82-51-831-0131~3, F : 82-51-831-0134

# EQUIPMENT LIST

NO.	EQUIPMENT NAME	TYPE / MODEL	CAPACITY	Q'TY	WEIGHT (KG/SET)	MAKER	ADDRESS ■ E-MAIL or WEB-SITE ■ TEL, FAX NO.
5	BOILER						
	AUX. BOILER	MB061S10	18,000 KG/H x 7 KG/CM²G	1	32,000	KANGRIM	40, WOONGNAM-DONG, CHANGWON, KYUNGNAM, KOREA www.kangrim-ind.co.kr T : 82-55-269-7700, F : 82-55-269-7795
	OIL BURNER FOR AUX. BOILER	DF455		1		SAACKE GmbH & Co. KG	Südweststraße 13, 28237 Bremen, GERMANY www.saacke.com info@saacke.de T : 49-421-6495-0, F : 49-421-6495224
	FUEL OIL SUPPLY PUMP FOR AUX. BOILER	DCS7/1800	2568 L/H x 15 KG/CM²G	2	176	KANGRIM	40, WOONGNAM-DONG, CHANGWON, KYUNGNAM, KOREA www.kangrim-ind.co.kr T : 82-55-269-7700, F : 82-55-269-7795
	M.D.O IGNITION PUMP FOR AUX. BLR	PZHDS 30	30KG/H x 14KG/CM²	1	8		
	EXH. GAS ECONOMIZER	EM11DC12A1	1,100 KG/H x 7 KG/CM²G	1	26,800		
6	DIESEL GENERATOR ENGINE	6L23/30H	ABOUT 960KW x 900RPM ALTERNATOR 900KW	3	20,400	STX	80 Seongsan-dong, Changwon, Gyeongsangnam-do, 641-315 Korea www.stx.co.kr T : 82-55-280-0114, F : 82-55-285-2030
7	EM'CY GENERATOR ENGINE	6CT8.3DMGE	120KW x 1800RPM	1	1,767	STX	80 Seongsan-dong, Changwon, Gyeongsangnam-do, 641-315 Korea www.stx.co.kr T : 82-55-280-0114, F : 82-55-285-2030
8	FW GENERATOR						
	FW GENERATOR	JWP-264100	25 TON/DAY	1	595	ALFA LAVAL KOREA	C.P.O BOX 4285, SEOUL 100-642, KOREA www.alfalaval.co.kr T : 82-2-3406-0600, F : 82-2-3406-0701
	DISTILLED WATER PUMP		21 M³/H x 28 MWC	1			
9	AIR DRYER	ELEC. REFRIGERATED AIR COOLED CX-02	100N M³/H x 7 KG/CM²	1	85	SAMKUN	1125-3, SOJOORI, UNGSANG-UP, YANGSAN, KYUNGNAM, KOREA www.samkunok.com T : 82-55-372-0130, F : 82-55-372-0129

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10	AIR COMPRESSOR						
	MAIN AIR COMPRESSOR	HV2/200	136 M <sup>3</sup> /H × 30KG/CM <sup>2</sup> × 32.9KW × 1180RPM	2	1070	SPERRE	N-6057 Ellingsøy, Norway www.sperre.com T : 47-70-161100, F : 47-70-161110
	EM'CY AIR COMPRESSOR	HL2/77	28 MYH × 30KG/CM <sup>2</sup> × 7.8KW × 1750RPM	1	280		
	DECK SERVICE AIR COMPRESSOR	M.D. SCREW, AIR COOLED TMC 26 EANA	204 M <sup>3</sup> /H × 7 KG/CM <sup>2</sup>	1	380	TMC	Stanseveien 27, P.O.Box 124 Kalbakken, N-0902 Oslo, Norway www.tmccompressor.no T : +47 815 21 213, F : +47 815 21 214
11	AIR RESERVOIR						
	MAIN AIR RESERVOIR	VERTICAL CYLINDRICAL	4.5 M <sup>3</sup> × 30 KG/CM <sup>2</sup>	2	6,000	KUMKANG PRECISION CO., LTD	#1505-9, DADAE-DONG SAHA-GUPUSAN KOREA kumkang20@korea.com T : 82-51-262-4896, F : 82-51-262-4895
	AUX. AIR RESERVOIR	VERTICAL CYLINDRICAL	0.3 M <sup>3</sup> × 30 KG/CM <sup>2</sup>	1	250	STX	80 Seongsan-dong, Changwon. Gyeongsangnam-do, 641315 Korea www.stx.co.kr T : 82-55-280-0114, F : 82-55-285-2030
	DECK SERVICE AIR RESERVOIR	VERTICAL CYLINDRICAL	0.5 M <sup>3</sup> × 7 KG/CM <sup>2</sup>	1	500	KUMKANG PRECISION CO., LTD	#1505-9, DADAE-DONG SAHA-GU, PUSAN, KOREA kumkang20@korea.com T : 82-51-262-4896, F : 82-51-262-4895
12	COOLER						
	M.E L.O COOLER	M20-MFM	SURFACE AREA 162.4 M <sup>2</sup>	1	2,110	ALFA LAVAL KOREA	C.P.O BOX 4285, SEOUL 100-642, KOREA www.alfalaval.co.kr T : 82-2-3406-0600, F : 82-2-3406-0701
	L.T.F.W COOLER	M15-MFM8	SURFACE AREA 103.5M <sup>2</sup>	2	1,530		
	M.E JACKET F.W COOLER	M10-MFM	SURFACE AREA 6.8 M <sup>2</sup>	1	314		
13	CALORIFIER	VERTICAL STORAGE STEAM/ELECTRIC HEATING	200t: TANK (10~70℃) 1000 L/H	1	250	IL-SUNG	392-13, SAMRAK-DONG, SASANG-KU, PUSAN, KOREA T : 82-51-301-4056, F : 82-51301-7399

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NO.	EQUIPMENTNAME	TYPE I MODEL	CAPACITY	Q'TY	WEIGHT (KG/SET)	MAKER	ADDRESS I E-MAIL or WEB-SITE I TEL. FAX NO.
14	OILY WATER SEPARATOR	MEPC 107 (40)	5M³/H	1	1,000	B+V Gmbh	P.O Box 11 22 99.20422 Hamburg. Germany www.bv-industrie.de T : 49 40 30 11-0 F : 49 40 30 11-19 94
	OILY WATER SEPARATOR PUMP	TSP 5	5M³/H AT 251 RPM	1	80		
15	PURIFIERS						
	H.F.O PURIFIER	SA 830	2,500 L/H 700 cSt/50℃	2	543	ALFA LAVAL KOREA	C.P.O BOX 4285, SEOUL 100-642, KOREA www.alfalaval.co.kr T : 82-2-3406-0600, F : 82-2-3406-0701
	L.O PURIFIER	SA825	1,500 L/H SAE # 30, DETERGENT	2	462		
16	HEATERS						
	NO.1,2 H.F.O PURIFIER HEATER	SHELL & TUBE	EFFECTIVE AREA 0.97 M²	2	102	DONGWHA ENTEC	1575-6, SONGJEONG-DONG, KANGSEO-KU, PUSAN, KOREA www.dh.co.kr T : 82-51-970-1070, F : 82-51-970-1071
	NO.1,2 L.O PURIFIER HEATER	SHELL & TUBE	EFFECTIVE AREA 0.83 M²	2	97		
	M.E.J.F.W HEATER	SHELL & TUBE	EFFECTIVE AREA 0.35 M²	1	60		
	F.O HEATER FOR AUX. BOILER	SHELL & TUBE	EFFECTIVE AREA 6.27 M²	1	250		
	ATMOSPHERIC CONDENSER	SHELL & TUBE	EFFECTIVE AREA 16 M²	1	780		
17	STERILIZER	JSA-1000	1000 L/H	1	25	SAMKUN	1125-3, SOJOORI, UNGSANG-UP, YANGSAN, KYUNGNAM, KOREA www.samkunok.com T : 82-55-372-0130, F : 82-55-372-0129
18	REHARDENING FILTER	REH-1000	1000 L/H	1	95	SAMKUN	1125-3, SOJOORI, UNGSANG-UP, YANGSAN, KYUNGNAM, KOREA www.samkunok.com T : 82-55-372-0130, F : 82-55-372-0129

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NO.	EQUIPMENT NAME	TYPE I MODEL	CAPACITY	Q'TY	WEIGHT (KG/SET)	MAKER	ADDRESS I E-MAIL or WEB-SITE I TEL. FAX NO.
19	INCINERATOR	MAXI T50 SL WS	400,000 KCAUH	1	3,400	HYUNDAI MARINE	7LT-3BL, INCHON SEOBU INDUSTRIAL COMPLEX. KYUNGSEO-DONG, SEO-KU, INCHON, KOREA hmmc@unitel.co.kr / T : 82-32-561-3611, F : 82-32-561-3615
20	VENTILATION FAN						
	E/R VENT FAN	AQ-9001410	750 M <sup>3</sup> /MIN × 38MMAQ	4	485	HI-PRESS KOREA	1432-11, DAMAN-RI, CHILLYE-MYUN, KIMHAE, KYUNGNAM, KOREA
	PURI. SPACE EXH. VENT FAN	ADW-6301330	200 M <sup>3</sup> /MIN × 25 MMAQ	1	128		
21	M.E OVERHEAD CRANE	OVERHEAD TRAVELLING	S.W.L 2000 KG	1	1,500	DONGNAM	1172-4, NAESAM-RI, CHUCH'ON-MYON, KIMHAE-CITY, KYUNG NAM, KOREA www.dongnam-crane.co.kr T : 82-55-329-4111, F : 82-55-338-6842
22	WORKING EQUIPMENT						
	LATHE	MOTOR DRIVEN CDL 625111000	CENTER DISTANCE : 1000MM SWING OVER BED : 510MM	1	2,040	Jey Entech	jeychung@hanmir.com T : 82-051-403-3661, F : 82-41453666
	DRILLING MACHINE	HN-025	DRILLING CAPACITY : 32 MM	1	140	DAEDONG TRADING	BUSAN INDUSTRIAL SUPPLIES MARKET 26-123,578 KWAEBOP-DONG, KOREA T : 051-319-0935/6, F : 051-319-0937
	GRINDING MACHINE	HIL-G-800	WHEEL DIAMETER 255 MM	1	24	DAEDONG TRADING	BUSAN INDUSTRIAL SUPPLIES MARKET 26-123,578 KWAEBOP-DONG, KOREA T : 051-319-0935/6, F : 051-4194937
	GAS WELDER	CENTRAL SYSTEM ACETYLENE/OXYGEN	AC : 40 LIT OXY : 40 LIT	2	829 61.8	UNITOR KOREA	44-27, DALDAN-RI, JUNGKWAN-MWM, KIJANG-KUN, PUSAN, KOREA www.unitor.com T : 82-51-728-4900, F : 82-51-728-3848
	ELEC. WELDER	DRIP-PROOF LS300 INVERTER/RECTIFIER 230/460V	INPUT POWER I INPUT VOLTAGE : 208 1 230 VAC & 380 1460 VAC	1	NET 28		
23	FILTER						
	M.E.L.O AUTO FILTER	X-280-D-4014-A06	40 MICRONS (ABSOLUTE) 25 MICRONS (NOMINAL)	1	320	ALFA LAVAL KOREA	C.P.O BOX 4285, SEOUL 100-642, KOREA www.alfalaval.co.kr T : 82-2-3406-0600, F : 82-2-3406-0701

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NO.	EQUIPMENTNAME	TYPE ■ MODEL	CAPACITY	Q'TY	WEIGHT (KG/SET)	MAKER	ADDRESS ■ E-MAIL or WEB-SITE ■ TEL, FAX NO.
24	F.O SUPPLY UNIT FOR M.E & GE						
	F.O SUPPLY PUMP	ACE 032L3 NTBP	3.4 M³/H × 4 KG/CM²	2	24	ENPACO	452-7, Nae-dong, Changwon City, Gyeongnam Province, Korea www.enpaco.co.kr T : 82-55-282-1131, F : 82-55-284-8200
	F.O CIRC. PUMP	ACG 045K7 NTBP	9.5 M³/H × 6 KG/CM²	2	45		
	VISCOSITY CONTROL SYSTEM	ELECTRIC TYPE	0-25 cSt	1			
	F.O FLOW METER	RING PISTON ■ ARD25 F13-IN		1	12		
	H.F.O HEATER	SHELL & TUBE	10 M³/H	2	249		
	F.O FILTER	AUTO BACKFLUSING FILTER 6.60.1 GR04	35 MICRONS (ABSOLUTE FINENESS)	1	140		
25	CLOSING DAMPER						
	CLOSING DAMPER FOR FUNNEL EXH. LOUVER			2	390	ILSUNG	392-13, SAMRAK-DONG, SASANG-KU, PUSAN, KOREA T : 82-51-301-4056, F : 82-51-301-7399
	CLOSING DAMPER FOR SUPPLY DUCT OF PURI. ROOM & HYD.POWER PACK ROOM			3	100		
	CLOSING DAMPER FOR ER FAN	PNEUMATIC		4	234	HI-PRESS KOREA	1432-11, DAMAN-RI, CHILLYE-MYUN, KIMHAE, KYUNGNAM, KOREA
	CLOSING DAMPER FOR PURI. EXH. FAN	PNEUMATIC		1	109		

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26	PUMPS						
	MAIN COOL'G SW PUMP	VERTICAL, CENTRIFUGAL DB250 VID2/1	600 M <sup>3</sup> /H × 20 M	2	790	SHINSHIN	940-13, YERIM-RI, CHANGGWAN-MYEN, GIJANG-GUN, PUSAN, KOREA www.sspump.com T : 82-51-727-5300, F : 82-51-727-5305
	LIT C.F.W PUMP	VERTICAL, CENTRIFUGAL DB250 VID1	500 M <sup>3</sup> /H × 30 M	2	953		
	M.E JACKET WATER PUMP	VERTICAL, CENTRIFUGAL B125VID1	84 M <sup>3</sup> /H × 35 M	2	452		
	M.E L.O PUMP	VERTICAL, TANK MOUNT SDF-ZV 200B	205 M <sup>3</sup> /H × 43 KG/CM <sup>2</sup>	2	910		
	M.E J.F.W PREHEATER CIRC.PUMP	HORIZONTAL, CENTRIFUGAL SHC 40A	84 MYH × 20 M	1	47		
	M/E AIR COOLER CLEANING WATER CIRC. PUMP	HORIZONTAL, CENTRIFUGAL SHC 40A	2 M <sup>3</sup> /H × 30 M	1	47		
	FEED WATER PUMP FOR AUX. BLR	HORIZONTAL, CENTRIFUGAL MB 40/3S	12 M <sup>3</sup> /H × 120 M	3	218		
	CIRC.WATER PUMP FOR EXH.ECONOMIZER	HORIZONTAL, CENTRIFUGAL BCP50AX	9 M <sup>3</sup> /H × 40 M	2	168		
	EJECTOR PUMP FOR F.W GENERATOR	VERTICAL, CENTRIFUGAL C125VID1	62 M <sup>3</sup> /H × 50 M	1	553		
	FIRE & GENERAL SERVICE PUMP	VERTICAL, CENTRIFUGAL SELF PRIMING SVS 200F	275 M <sup>3</sup> /H × 100 M	1	1,650		
	FIRE & BILGE PUMP	VERTICAL, CENTRIFUGAL SELF PRIMING SVS 200F	275 M <sup>3</sup> /H × 100 M	1	1,650		
	F.W HYD. UNIT	TANK : SHC40A-1.0-2R PUMP : SHC 40A	1 M <sup>3</sup> × 32/50 M × 1 5 M <sup>3</sup> /H × 45 M × 2	1	680		



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26	SCRUBBER C.S.W PUMP	VERTICAL, CENTRIFUGAL C200 VID1	270 M <sup>3</sup> /H × 45 M	1	550	SHINSHIN	940-13, YERIM-RI, CHANGGWAN-MYEN, GIJANG-GUN, PUSAN, KOREA www.sspump.com T : 82-51-727-5300, F : 82-51-727-5305
	DECK WATER SEAL PUMP	HORIZONTAL, CENTRIFUGAL EHC 40A	6 M <sup>3</sup> /H × 25 M	2	76		
	HOT WATER CIRC. PUMP	HORIZONTAL, CENTRIFUGAL EHC 40A	11 M <sup>3</sup> /H × 5 M	1	90		
	H.F.O TRANS.PUMP	HORIZONTAL, GEAR NLG 20	20 M <sup>3</sup> /H × 3 KGICM'	1	214		
	D.O TRANS.PUMP	HORIZONTAL, GEAR NLG 10	10 M <sup>3</sup> /H × 3 KGICM'	1	116		
	L.O TRANS.PUMP	HORIZONTAL, GEAR NLG 10	10 M <sup>3</sup> /H × 3 KGICM'	1	116		
	M.G.O SHIFTING PUMP	HORIZONTAL, GEAR NLG 2	2 M <sup>3</sup> /H × 2 KGICM'	1	52		
	H.F.O PURI. SUPPLY PUMP	HORIZONTAL, GEAR NLG 2.5	25 M <sup>3</sup> /H × 20 KGICM'	2	63		
	L.O PURI. SUPPLY PUMP	HORIZONTAL, GEAR NLG 1.5	1.5 M <sup>3</sup> /H × 25 KGICM'	2	58		
	SLUDGE PUMP	HORIZONTAL, MONO SCREW P13IS5	3 M <sup>3</sup> /H × 4 KGICM'	1	212		
27	LOCAL FIRE EXTINGUISHING SYSTEM	WATER BASE	3.5M <sup>3</sup> /H-9 KGICM'	1		TANKTECH	1506-2, SONGJEONG-DONG, GANGSEO-GU, BUSAN, 618-270 KOREA www.tanktech.co.kr T:82-51-979-1600, f:82-51-979-1601
28	FLOW METER(G/E INLET/OUTLET)	RING PISTON IARD40F18	NOR. ABOUT 4,000L/H	2	20	DEAHO	1610-6, SONGJUNG-DONG, KANGSEO-GU, BUSAN, KOREA T:82-51-831-3720, F : 82-51-831-3750