



Certificate of Approval

Authorizing a Service Supplier engaged in maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear

No. CPN0/MZN/20230610113146

Issued within the scope of the Bureau Veritas Marine & Offshore General Conditions
Délivrée dans le cadre des Conditions Générales de la Marine & Offshore du Bureau Veritas

Company: **CRALOG A/S**
Company address*: **KNOTEN 7
DK-9900 FREDERIKSHAVN
DENMARK**

Scope of the approval:

Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear as per the list included in the attached Schedule of Approval

This is to certify that:

The undersigned Surveyor of the Society, acting within the Bureau Veritas Marine & Offshore General Conditions, has performed, at the Company's request, an assessment of the facilities, organisational structure and procedures of the said Service Supplier, in compliance with the relevant requirements of the Society Rule Note NR 533 and of IMO Resolution MSC.402(96).

The facilities, organisational structure and procedures were found satisfactory for the servicing of the equipment described in the attached Schedule of Approval.

The Certificate is valid until**: 16 February 2026

Completion date of the assessment on which this certificate based: 16 February 2023

At: Copenhagen, Denmark on 10 June 2023

Replace CPN0/MZN/20230312161304

Bureau Veritas Surveyor's signature :

**BUREAU VERITAS
MARINE & OFFSHORE**

Marcello Zanotti

By Order of the Secretary

* Refer to the appendix for the list of subsidiaries covered by this certificate

** Not later than 3 years after the date of evaluation

The latest published Rules of the Bureau Veritas Marine & Offshore Division and the General Conditions therein are applicable.

La dernière édition des Règlements de la Division Marine & Offshore du Bureau Veritas ainsi que les conditions Générales qui y figurent sont applicables

Any person not a party to the contract pursuant to which this certificate is delivered may not assert a claim against Bureau Veritas for any liability arising out of errors or omissions which may be contained in said certificate, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in the establishment or issuance of this certificate, and in connection with any activities for which it may provide.

Toute personne qui n'est pas partie au contrat aux termes duquel ce document est délivré ne pourra engager la responsabilité du Bureau Veritas pour les inexactitudes ou omissions qui pourraient y être relevées ainsi que pour les erreurs de jugement, fautes ou négligences commises par le personnel de la Société ou par ses agents dans l'établissement de ce document et dans l'exécution des interventions qu'il comporte.

SCHEDULE OF THE APPROVAL

1-List of equipment : Makes and Types/Models

Equipment	Make	Type/Model	Manufacturer's Licence/Recognition N° (if applicable)

Note: Equipment referred to in this list are identified on attachment in an Annex

2- Certified Quality System in accordance with ISO 9000 series: ☒ Yes ☐ No

3- List of Subsidiaries / Agents covered by this certificate

4- Condition for the validity of the certificate of approval

The certification is valid insofar as the inspection duties are actually assumed by personnel of the Supplier who has been assessed by the Society.

The Society reserves the right to invalidate this certificate of approval in case :

- Where the service was improperly carried out or the results were improperly reported .
- Where a Surveyor finds deficiencies in the approval service operating system of the supplier and appropriate corrective action is not taken.
- Where alterations have been made to the Company's Quality System relevant to the service supplier certificates , without written notification to the Society.
- Where the periodic audit, if requested, has not been carried out.
- Where wilful acts or omissions are ascertained.
- Where any deliberate misrepresentation has been made by the Service Supplier.

5- Other conditions

- 1) The acceptance of this service supplier on board a given ship , for which personnel are certified in accordance with ISO 23678:2022, is subject to the ship's Flag State policy and agreement
- 2) Make/Type/Model of Equipment for which the service company inspector is qualified must be verified with the specific INSPECTOR CERTIFICATE issued by CRALOG

6- Endorsement where an intermediate audit has been performed

Signed:
(Surveyor to BUREAU VERITAS MARINE & OFFSHORE)

Place:

Date:

SCHEDULE OF THE APPROVAL

1-List of equipment: Makes and Types/Models

Equipment	Make	Type/Model	Manufacturer's License/Recognition N° (if applicable)
SURVIVAL CRAFT/RESCUE BOAT	ACEBI AVON BALDEN	TELB, PELB, RB, SR BDFF-T, BDFF-C, BD-R BD-LB	see other conditions 1), 2)
	BEIYANG BOATBUILDING CO.LTD	TECB	
	CASTOLDI S.R.L. DAFER / NARWHAL	JET TENDER 18 RB SV	
	DSB DEUTSCHE SCHLAUCHBOOTE	IRB	
	DSB ENGINEERING CO LTD	DSBC, DSBF, DSBP, DSBR, DSBRFA, DSBFC, DSBFF	
	FASSMER / MARLAND	CFL-C,CFL-T, CL, CL-P, CLR, CLX, DRAGON, FRIR, FRR, GAR, GAR-T, GMR, T-GMR, HH, SEL, PLL, PLT, RR	
	GEPA	G-FFF, G-FK, G-FYK, G-RB	
	GREBEN HARDING (UMO SCHAT HARDING) (PALFINGER)	FFL, RB, TEL FF, LBF, LBT, MCM, MCF, MCB-T, MCB-C, MOB, TECB	
	HARDING (PALFINGER)	MCB, CTYL, ML, PEL, MK 1,2,3,4, 5, 4.9 RB,	
	HATECKE (ERNST HATECKE)	GFF, GSL,PL, PEL, RB	
	HOEI SENPAKU HLB (HYUNDAI LIFEBOATS)	HS , HSF HDL, HDR, HDFL, HDFN, HDFR, HLB, HT	
	IHI MARINE UNITED INC	G, GTC, GTR-F, GTC-C, GTC-F, GT-F,	
	JAPAN MARINE UNITED CORP	GF, GTR	
	JIANGYINSHI BEIHAI	JYB-F, JYB-C, JYB-FF, JYB-FC, JYB-B, SC-K, SC- KR, JYB-R, JYB-BG	

SURVIVAL CRAFT/RESCUE BOAT	BOAT MANUFACTURING CO LTD NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD NISHI-F CO., LTD, (EX. ISHIHARA DOCKYARD, NISHI- NIPPON) NORMAR NOREQ (PALFINGER) OY FISKARS AB PALFINGER	YZRA, YZRB NM, NM-FF, NM45R G-DR, G-TR, G-FR, FF,CML, EML, NF, NFA, PML, SM , FRP FRC LBF, LBP, LBT, RRB TELB CTL, FF, KISS, MPC, NPT- C, NPT-F, NPT-FC, NPT- FF, NPT-P, RSQ FRSQ BSC, BSL BH-C, BH-T, BH-F, BH-R, BH-HR, BH-HR7B,, BH-10, DOLPHIN, FRB FEL, FRP, SZBR / BRS, SZGO,SZGM, SZRS, SZTR / TRS, SZP, SZPR, VOX46 Z, FFB, R, RIB FF, SC, SC60RA, CA TL-TE, KL-TE, KL- FP,TE,FP RB-450 VG-C, VG-F, VG-HLB, VG- KR, VG-DRS, VG-FRK, FRW DR, FL- 50 GES, JYN-F,JYN-T, JYN-C, MAUD, MAGGIE, MAXIMA, MINIMA, MIRAM, MATILDA, MATRIX, MIDGET	see other conditions 1), 2)
	PESBO S.A QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD. SHIGI SHIPBUILDING CO LTD	BH-C, BH-T, BH-F, BH-R, BH-HR, BH-HR7B,, BH-10, DOLPHIN, FRB FEL, FRP, SZBR / BRS, SZGO,SZGM, SZRS, SZTR / TRS, SZP, SZPR, VOX46 Z, FFB, R, RIB	
	STOCZNIA UTSKA SP. Z.O.O SURVITEC SURVIVAL SYSTEMS INT TSUNEISHI	FF, SC, SC60RA, CA TL-TE, KL-TE, KL- FP,TE,FP RB-450 VG-C, VG-F, VG-HLB, VG- KR, VG-DRS, VG-FRK, FRW DR, FL- 50 GES, JYN-F,JYN-T, JYN-C, MAUD, MAGGIE, MAXIMA, MINIMA, MIRAM, MATILDA, MATRIX, MIDGET	
	VALIANT VANGUARDE	VG-C, VG-F, VG-HLB, VG- KR, VG-DRS, VG-FRK, FRW DR, FL- 50 GES, JYN-F,JYN-T, JYN-C, MAUD, MAGGIE, MAXIMA, MINIMA, MIRAM, MATILDA, MATRIX, MIDGET	
	VERHOEF VIKING (NORSAFE) (JIANGYIN)	RR-40 MK 1,2,3,4, 5, WFF, PERB, PELB, MOB, MOBRC, 4.9M RB	
	VIKING NEUVISA WATERCRAFT (HARDING) (PALFINGER) WATERCRAFT (WATERCRAFT HELLAS) (PALFINGER)	RR-40 MK 1,2,3,4, 5, WFF, PERB, PELB, MOB, MOBRC, 4.9M RB	
	WATERMAN OY (PALFINGER)	351, 361, 363, 365,366, 366HRL, 367,368, ,369, 371, 371 HR, 375, 374,377,378, 379,391, ,372, 391, 393 BH, BJ, BG, HH-C, HH-T, HH-TS, HH-CS, HH-FC , HH-FF, JG WJ, BH, BJ, WJBF WJBC, WJFF, WJFFC, WJ, BH, BJ, WJ, WJRA, WJRB YH, YH-FRA, YH-FRB, YH-DR, YH-QFP, YH-R	
	WUXI HAIHONG	BH, BJ, BG, HH-C, HH-T, HH-TS, HH-CS, HH-FC , HH-FF, JG WJ, BH, BJ, WJBF WJBC, WJFF, WJFFC, WJ, BH, BJ, WJ, WJRA, WJRB YH, YH-FRA, YH-FRB, YH-DR, YH-QFP, YH-R	
	WUXI WENJIAO	WJ, BH, BJ, WJBF WJBC, WJFF, WJFFC, WJ, BH, BJ, WJ, WJRA, WJRB YH, YH-FRA, YH-FRB, YH-DR, YH-QFP, YH-R	
	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS ZHENJIANG HENGXIN SHIP EQUIPMENT CO. LTD. ZHENJIANG JUST MARINE EQUIPMENT CO., LTD ZODIAC HURRICANE ZODIAC (SURVITEC)	BCC, BCF, BCFC, BCFF, FL-C, FL-F, GJ ZJM-FF, ZJM-4.0 H561 PROLUXE, RIBO RIBO	

LAUNCHING EQUIPMENT/DAVITS	ABAS	MDE. KDE	see other conditions 1), 2)
	ACEBI	A, AF, GRA, PF, PFR, RRP, SPG, TPC, TPF, TPU R18700	
	ACORN	DC, DR; HSC; MOB	
	ACTA	AREH, BH	
	ALEXANDER RYAN	AHA, ARPV	
	ARIM	AT-LRD	
	A TECH	BDA, BDFA, BDF, BDH, BDMS, BDL, BDR, BDTD, BDTW, BFRD, BLR, HDFL, ORFP, HINGED GRAVITY (BC) PE, PET	
	BADA HEAVY INDUSTRIES	BHD	
	BIANCHI & CECCHI	D	
	BOPP TREUILS JEB	CDT 7000	
	COASTAL MARINE EQUIPMENT, INC.	COMBI	
	CRAMM YACHTING SYSTEMS B. V	FF-740	
	DAESUNG	SRR	
	DAELIM	D.AC. S, D-BR, D-BC. R, D- CRM, D-CRH.R, D-FH, D-FO, D-FOS, D-NP, D-NP.MP. D- NP. SP, D-NPS.MP, D- NPS.SP, D-RB, D, RC, D- RC.T D-RT, D-TF, D-TT, D- TT.SP, D-SR04	
	TECHNOLOGY CO. LTD. (HYUNDAI)	DSFDD, DSFRB, DSRBD	
	DAVIT COMPANY DAVIT INTERNATIONAL	DLB	
	DENIZSAN	DCPV, DHGD, DNRD, DRBD, DRLD, DRBLRD	
	DONG NAM ENTERPRISE., CO LTD	DBD, DWS	
	DONGNAM MARINE CRANE CO LTD	DSBARH, DSBDF, DSBDL, DSB DP, DSBDR, DSBDTL, DSB DYL, DSB23DR	
	DONGWOO MACHINERY & ENGINEERING CO., LTD.	CH-52 R-LR	
	DSB ENGINEERING CO LTD	FFH, FMPD, FPD, FSARR 1872 PJ	
	EO LIFESAVING	GSP.O, RSP.O, GSP.RT, GLP.RT, GSP.FP, GSP.MP, GLP.FP, GLP.MP, GSP.FLH, GSP.FPH, GLP.FLH, GLP.FPH, LMS, LMS.S, LMES.S,R RMS, RMES.S, RMS.L,	
	FASSMER / MARLAND		
	FERRI		
	GIBERT & SCHMALRIEDE GMBH & CO. KG		
	GLOBAL DAVIT		

LAUNCHING EQUIPMENT/DAVITS		RMES.L.S, RMS.S, RMS.L.S, RHS, RHS.L, RHS.S, RHS.L.S, LML,RML,RHL, RHP, FHS,FHS.S, FHS.L, FHS.R, FHS.R.S.FHS.R.L., FHS.R.L.S, RHS, RHS.L, RHS.L.S, RHP, RHP.HC	
	GREBEN	FOD, GR-RTD, HD, HFF, GD-PD, RLC, R SAR ,SPG	
	GURDESAN	GD-FFD, GD-KHK, GD- RRS	
	HAEAN MACHINERY IND. CO. LTD.	HED-PC FR	
	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	FR.P.SP, ORD,HD-FL, GRA,HD-RT, HD-SPG, HD-VIP , MOB, ND,NPDS, NT, SPG(L),SPG(VL), SPD, LA, LAR,SAR,SPR, SRR, SA, FF	
	HATECKE	GSPFP, GSP.O, DFR, DR, FFA, FFB, KOPAS A-1000 RBD	see other conditions 1), 2)
	HOLENS AS HANYOUNG ENTERPRISE HYDRALIFT/ TTS HYDRAMARINE IKNOW MACHINERY (TSUJI) IHI MARINE UNITED INC IMT.CO, LTD JIANGYINSHI BEIHAI	HL, HL9D HMC, HMD, TTS, T HD MUL	
	JIANGSU JIAOYAN (JIANGYIN XINGJIANG F.R.P. CO., LTD) JIANGYIN NEPTUNE	ILR PD, RB-H, HB-H, BH-G, LB-H, LA, BHGH, SA, SMR, SAC, FRH, EHRD, FRH, SRH FA JYA, JYF, JYGR, JYL, JYH, JYHG, JYP, JYR, JYRCA	
	JIANGYIN WOLONG JUNG-A-MARINE CO., LTD KGW SCHWERINER MASCHINENBAU GMBH KYORITSU KIKAI MACGREGOR (TTS) (HYDRAMARINE) MANSEI (MURIA) (MURIA VADA)	NPT-BE, NPT-DR, NPT- DP, NPT-DL, NPT-DF JY-FH, JYHE, JYLFR, JYPL, JYSA, LRHE, PLR PCRLC RB	
	NAVIM GROUP	LAF-MUF68 A-TYPE, G-TYPE, T- TYPE HMD ABD, AH, AV, D-FH, CM, EH, EHR, EM, FE, FH, GRA, M, MVD, R, RD, SAR, SPG(VL), SPG(VD) FDRB, SGHD- L, SPHD- T, SPDT L, SPDT T, SPDT R 1.1 FPG, PFH, PLG, PRH,	
	NAVIGATIONS NED DECK MARINE		

LAUNCHING EQUIPMENT/DAVITS	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD NMF NOR DAVIT NOREQ (PALFINGER)	PRHE, SCH, SCM, SCT, SEC L, YZ, YZF, ZFDZ	see other conditions 1), 2)
	ORIENTAL PRECISION ORIENTAL PRECISION - SEKIGAHARA PALFINGER	NMPL, NMN, NMAR BPK, KD.2 PL, SDP NPD, NPDS, NRD, SCH, SCHD, SCM-L, SCH-R, SCM-R DHA, DMA, FD, HGD, HGK, SHS, RTD, RD, SHS	
	PELEGRINI MARINE EQUIPMENT QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD REDROCK SEC (SHIPS EQUIPMENT CENTRE) SEKIGAHARA	FF, FPG, NPD, NPT, NPT- DF, NTD, PFH, SCM-L, SCH-R, SCM -R, VIP CHCD 2,507+ RLC 2,1/4,5,RLC, GRA , BD-AR, BD-PL, BD-PV, BD-FF, BD-FF, BD-SA, BD-SH, RDA, RDT HP2, MS	
	SEKWANG MARINE MACHINERY CO, LTD SERVO SHIP S.L SEZAMOR	AT, SF, SFA, SFB, SFP, SHS, STS, SSS SINGLE ARM SLEWING DAVIT FFR, PR4M1100HR ZZ-ZL J, ZZ-ZLJ2, ZZ- ZOL, ZZ-ZOT FH, SAF	
	SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION SHIN MYUNG TECH	SMRBD-SD, SMRBD&LRD, SMRBD&PV, SMRB&LRD-FT PZ, HZ PI	
	STOCZNIA UTSKA SP. Z.O.O SURVIVAL SYSTEMS INT TAIZHOU HAIHAO MARINE EQUIPMENT CO., LTD TSUJI HEAVY INDUSTRIES ULSTEIN FAMA (FAMA GNIEW) VANGUARDE	21KN BOAT/RAFT DAVIT, 55KN H, RP, TC, T83 ZO, ZT	
	VERHOEF VEST DAVIT	DH, HS, LE, MS, PFH, PL, PR, PRH, SRH, VL, VS FL	
	VIKING / NORSAFE (JIANGYIN)	L, P, PL,PLP, PLR, PLAR PLD, PAP, PAPH, PLI, TBD	
	WATERCRAFT WELIN LAMBIE WUXI DONGWU	A, C, D, E, H, HD, LH, NDA, NDC, NRC-R, NDSC-R, NRB, SW WRG	

LAUNCHING EQUIPMENT/DAVITS	WUXI HUAHAI WUXI JIANG NAN MARINE EQUIPMENT CO., LTD WUXI SHENGOU ZHENJIANG JUST MARINE EQUIPMENT CO., LTD ZHEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD ZHENJIANG MARINE AUXILIARY MACHINERY WORKS ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD ZHENJIANG WEST MARINE EQUIPMENT CO. LTD	LRW, SARBE FREE-FALL LIFEBOAT DAVIT (F55-F70), GRAVITY - LUFFING ARM (18KN-110KN), GRAVITY RESCUE BOAT / RAFT DAVIT (21KN-35KN), GRAVITY ROLLING TYPE DAVIT (25KN-30KN), RESCUE BOAT (A30/ H35 DCW210 NPT100, HMB, HMD, HMDA, PD ZFQ SMC, SMD, SHMDL, HMDA, SMDF, SMDP FH SA23-1 PL, L, FH, HDCL, SAFC,SRH, ZF SAW30 YSJ WME-LRH	see other conditions 1), 2)
RELEASE GEAR	BADA HEAVY INDUSTRIES BALDEN BIANCHI & CECCHI CHANG SHENG CRANTSON EAGLE DAE JIN CO. LTD DAVIT INTERNATIONAL FASSMER GLOBAL DAVIT GREBEN HATECKE (ERNST HATECKE) HARDING (PALFINGER) (FAST RSQ) HENRIKSEN HOEI SENPAKU HLB (HYUNDAI LIFEBOATS) IHI MARINE UNITED INC. JIANGYINSHI BEIHAI JIANGSU JIAOYAN (JIANGYIN XINGJIANG F.R.P. CO., LTD) JIANGYIN NEPTUNE	BHA, BHR BD-LBH, BDHR U HOOK 35KN APR-356-CB/CBH THP-1B OLH, RH DUPLEX > 6T, DUPLEX - < 6.6, FFH45, F HR, HRN, HRL, NLH DUPLEX - > 6T, DUPLEX - <6T , GFF, RAFTI 2.5, SIMPLEX1.1, SIMPLEX 2.0I OFFLOAD, SIMPLEX 1,85 ARH, CAR 35F, FFH, KISS, LHR, LHR M2, RRH HMK; HCH HS TALON MK 1, TALON MK 2 JX1 JYB-HK, JYB- HKF JX, JX 1, JX2 JXN-1B, JXN-1C, JXN3, NPT30HK, NPT-HK, NPT-	see other conditions 1), 2)

RELEASE GEAR	MARINE APPLIANCE CO., LTD.	50, NPT-HAN, PN-HKC, NPT-HCK, NPT-HK25F, NPT-70HKF , NPT-HK 25R FHK, HK RH	see other conditions 1), 2)
	JIANGYIN WOLONG MANSEI (MURIA) (MURIA VIDER) MADROCK NEDDECK / PALFINGER	ROCLOC CAR 35	
	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD NINGBO ASIA F.R.P. BOAT	JX-2 HK	
	MANUFACTURING CO LTD HK		
	NISHI-F CO., LTD, (EX. ISHIHARA DOCKYARD, NISHI- NIPPON)	ML, F, NS, IHM/ 12 /13 SR-3	
	NORSAFE / VIKING NOREQ (PALFINGER) (HARDING) OPTIMUN MARINE PALFINGER	HRS, NFFH, K4,,TOR MK1, TOR MK 2 JXN-3 31-37KN ARH, CAR 35, CAR35F, FFH, KISS, LHR, LHR M2 NPT, RRH BSL BG, BG-F, BG2R,	
	PESBO S.A QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD. SEZAMOR		
	SERVO SHIP S.L SHIGI SHIPBUILDING CO. LTD SURVITEC (MAD ROCK) SSI	HLR18, HS, 200 SRS SZK5, SZK30, SAFELAUNCH, SLA 3.5 ROCLOC) SURESAFE, TRIPLE 5, TRIPLE 5 LX PX01, 02, 03 43GS-1 SH, C-SAFE HRS, NFFH, K4,,TOR MK1, MK 2,NADIRO DIB, RCH 36 TWISTLOCK TITAN 15KN, 25KN, 31-37KN	
	T-ISS BV TSUNEISHI VANGUARDE VIKING / NORSAFE		
	VERHOEF WILLIAM MILLS / HARDING WUXI MINGZI MACHINERY MANUFACTURING CO., LTD WUXI WENJIAO WUXI XINGSHENG ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HK XS HK, HK40	

see other conditions 1), 2)

WINCH	ACEBI ACON ACTA ALEXANDER WELIN A TECH BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY) BOPP TREUILS JEB CRAMM YACHTING SYSTEMS B.V DAVIT COMPANY DONG NAM ENTERPRISE., CO LTD DAVIT INTERNATIONAL DONGNAM MARINE CRANE CO., LTD. DONGWOO MACHINERY & ENGINEERING CO., LTD. FASSMER / MARLAND FERRI EO LIFESAVING GLOBAL DAVIT GURDESAN GREBEN HAEAN MACHINERY IND. CO. LTD. HATECKE HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER) HYDRALIFT IHI MARINE UNITED INC IKNOW MACHINERY (TSUJI) JAPAN MARINE UNITED CORP JIANGYINSHI BEIHAI JIANGSU JIAOYAN (JIANGYIN XINGJIANG F.R.P. CO., LTD) JIANGYIN NEPTUNE JIANGYIN WOLONG MANSEI (MURIA) (MURIA VIDER) NED DECK NOR DAVIT ORIENTAL PRECISION PALFINGER PELEGRINI MARINE EQUIPMENT	TBE, TR BE-2 KNT AIW AT10-LRD BA, BDF BLW, BM, BMW, BW, BRW, BWR, ELEC. MOTOR DRIVEN, HDF, PWD BHD, BHP 4200 BWF1500 16 EV, SRR HLW 0.1., 02. 03., 04., 06., 07., 12. ;40 DSAD DBD, DWS DEW, FFWH 1872 W 01, 02 ,04 ,07, 08,10, 14, 20, 26 W05HC, W08HC, WS GD-FLW, GD-HC-A EW, HW HHD-PC FFA, 07.02.08 BE, EW-02-PL, FME, CW, HD, LN, MW, W SP MUW EB MU DS, DZ, DW, YZ, PF, JYBW FW, JYW, JYWP, JYRZ DW, DS NPT-DW JYD ABW, AW, CMW, EW, EBW, ERW FW MLW, MW, SW, RMW, RBH, LBH, 06, 04, HWCT, 15; NW, SP BWE, SWE, RDW, WL 04, 15, BE, FME, CW, HD, HWCT, LN, MW, W VAS 45 E, RLC	see other conditions 1), 2)
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WINCH	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD. SEC SEKIGAHARA SERVO SHIP S.L SSI TMA WINCHES TAIZHOU HAIHAO MARINE EQUIPMENT CO., LTD. TSUJI HEAVY INDUSTRIES ULSTEIN FAMA (FAMA GNIEW) VIKING (NORSAFE) (JIANGYIN) VERHOEF WATERCRAFT WELIN LAMBIE	BW-LL, BW-HL, BW-HR, BW-SC WL SNW, SWE FFRW W TN, MW 21KN EB, TC ERM, ER10B DW, HYD-FF, W.	see other conditions 1), 2)
	WUXI HUAHAI WUXI DONGWU WUXI SHENGOU ZHEJIANG HENGXIN SHIP EQUIPMENT CO., LTD ZHENJIANG MARINE AUXILIARY MACHINERY WORKS ZHENJIANG WEST MARINE EQUIPMENT CO. LTD ZOLLERN	55; 5619, 53 ; 9502, 97 , RPIV.1.0A, BW HMW, DS/Z, D/Z SMW YZ D, DP, JYRZ, SAW30, WME-LRH ZR, A2FM45-61A, ZHP	