



APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000F52
Revision No:
1

This is to certify that

Kosco Co., Ltd

Busan, Korea, Republic of

is granted acceptance for

Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear , in accordance with Class Programme DNVGL-CP-0484.

This service supplier certificate will be accepted for use with all rule sets published by DNV.
See the following page(s) for details regarding application.

This Certificate is valid from **2021-12-16** to (inclusive) **2024-12-15**.

This Certificate is issued on **2022-03-15**.

for **DNV**

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Park, Jung Min
Surveyor

This Certificate may be withdrawn if:

1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Application:

This Service Supplier is approved for maintenance, thorough examination, operational testing, overhaul and repair of the following equipments :

Makes	Model (Type)
<u>[Lifeboats and Rescue boats]</u>	
DSB Engineering Co., Ltd.	DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C DSB49FF/FC, DSB59FF/FC, DSB75FF/FC DSB40R, DSB60RA/RB
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Ex : Jiangyin Xinjiang F.R.P. Co., Ltd.)	JY-QFP-N5.0, JY-QFP-N5.25, JY-QFP-N6.0A, JY-QFP-N6.50, JY-QFP-N7.0, JY-QFP-N7.5, JY-QFP-N7.50A, JY-QFP-N8.00, JY-QFP-N8.50, JY-QFP-N8.50X, JY-QFP-N9.35, JY-QFP-N10.90A JY-FN-4.9, JY-FF-4.9, JY-FN-5.8, JY-FF-5.8, JYM-FN-6.65, JYM-FF-6.65, JY-FN-6.8, JY-FF-6.8, JY-FN-7.5, JY-FF-7.5, JY-FN-8.5, JY-FF-8.5 GJ4.2, GJ4.25, GJ4.5, GJ5.0, GJ5.25, GJ6.0B-1, GJ6.10, GJ7.50, GJ8.0Q-2, GJ8.5Q-2
Wuxi Hai Hong Boat Making Co., Ltd.	H50C/HH50T, HH53C/HH53T(QFP(H)5.3), HH57C/HH57T HH65C/HH65T(QFP(H)6.5/QFN(H)6.5), HH65CS/HH65TS(QFP6.5/QFN6.5) HH70C/HH70T(QFP7.0/QFN7.0), HH75CS/HH75TS(QFP7.5/QFN7.5) HH75C(QFP(H)7.5), HH80CS/HH80TS(QFP8.0/QFN8.0), HH85C / HH85T, HH85CS/HH85TS(QFP8.5/QFN8.5) HH59FC, HH59FF, HH76FC, HH76FF GJ4.5B, GJ4.5B1, GJ618, GJ618B
Nishi-F Co., Ltd.	G-series, ML-series, F-series
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd.	YH 5.0QFP/QFN, YH 6.5QFP/QFN, YH 8.5QFP/QFP-A/QFN/QFN -A, YH 10.3QFP/QFN, YH 9.5QFP/QFN, YH 12.0QFP/QFN, YH 9.9BFP, YH 12.5BFP, ZZHG-BF-12.5 YH 5.9FP/FN, YH 6.7FP/FN, YH 7.5FP/FN, YH 8.5FP/FN YH 6.0FRA/FRB, YH 6.5FRA/FRB, YH 4.5R/DR, YH7.5
Wuxi Wenjiao G.F.R.P Factroy	WJB50F/50C, WJ57F/57C/58F/58C/75F/75C WJ45D, BJ55/60/65/70/75/80/85 WJ59FF/FC, WJ67FF/FC WJ40R/45KR/45D3/45D/55D/60RA/60RB
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.	BH-5, 5A, 5S, 5SA, E500, E585, 6,6A, 6S, E670, 7A, 7B,8 // BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A BH-R4, R4S, R4SA, R5S
PESBO	BSC-25M/MCI, BSC-30M/MCI, BSC-40M/MCI, BSC-50M/MCI, BSC-65M/MCI, BS-25M /30M /40M /50M /65M /99M /150M, BSL-20M/MCI, BSL-30M/MCI, BSL-40M/MCI, BS-TD-150M/ME BR-500/FB, BR-650
Zhejiang Hengxin Ship Equipments Co., Ltd.	BCC, BCF, BCFC, BCFF GJ, FRH, RH
NARWHAL	SV-400/420/480/750, FRB-700
Jiangyin Wolong F.R.P Boat Co., Ltd.	JY50C/F, JY50CA/FA, JY57C/F, JY60C/E/F, JY65C/F, JY70C/F, JY80C/F, JY80CA/FA, JY85C/F, JY85CA/FA, JY85CB/FB, JY93C/F, JY102/F, JY117C/F;

	JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF; JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR; JY70P, JY80P, JY85P; JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K
[Launching Appliances]	
ARIM Eng. & Machinery Co.	ARPV/RVD-2109 CSN Series, ARPV/RVD-1875 QHS Series, ARPV/RVD-2260 Jinse Series, ARPV/RVD-2260 SH Series, ARPV/RVD-2018 SK-H Series, MS07 Series, LRBD-20 SH series; ARLD-20P SK-H Series, ARPV/LD-2050 SK-H Series
DSB Engineering Co., Ltd.	DSB60DL, DSB85DL, DSB138DL, DSB205DL DSB70DF, DSB85DF, DSB150DYL DSB23DR, DSB30ARH, DSB18/27DR
IKNOW Machinery Co., Ltd. (ex. Tsuji Heavy Industries Co., Ltd.)	H, T, TC
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Ex : Jiangyin Xinjiang F.R.P. Co., Ltd.)	JYL52/ JYL55/ JYL68/ JYL85/ JYL105/ JYL135, JYF55/ JYF75/ JYF75B/ JYF90, JYP65/ JYP85/ JYP105/ JYP135 , JYR21/ JYR21S-A/ JYRC21/ JYR23/ JYR14/JYRH14/JYRH21
Oriental Precision & Engineering Co., Ltd.	HGD series, HGK series, SHS series, RTD series, DHA series, DMA series, FD series, WL series, RD series, RDW series
SangSangIn Industry Co., Ltd. (Ex.: Dongnam Marine Crane Co., Ltd.)	DHG-57-FM, HGW-40-FM, DHG-70-FM, HGW-52-FM, HGW-50-FM, DHG-73-FM, HGW-61-DM / DLRD, DRLD, DSAD, PV combined, DCHH, DPR, DNR, DRBD, DSAC / FF, HDF
Sekigahara Seisakusho Ltd.	SH, SFB, SHS, STS, SSS, SFS, SFA, SFB, SFC, SFD, SJS, SJR
Shin Myung Tech Co., Ltd.	SM-LRD, SMRB & PVH, SMRB&LR, SMRBD-LSW, SMLRD-LSW, SMRB&LR-NLSW
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd.	LE 55-1/65-1/85-1/100-1/138-1/170-1, HE65/85/100/138, H170, RE50/60/80/100, SRH65/85/100/120/150/170/200/230, GL65/85/110/138/165, TG65/85/110/150/170/200/230, HT80/100/150/210, LC400 FH55/70/75/85/100 SAF14/21, SAF21/25, SA32, HDCL2-6.5/3-6/3-10, LA25/35 PL65/85/100/110/120/138/150/180/200/230 LFR30/350/55, LFRH30/60, LEFR50, DH30, SAWH30/45/60
A-TECH	Air / Electric types, Elec./ Hydraulic types, Manual type
Dong Woo Machinery & Engineering Co., Ltd.	DWS series, LRDS series, RBDS series Hinged gravity boat davit and freefall davit rescue davit and life raft davit
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.	BD-PV50, PV60, PV60S, PV85, PV125 // BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85 // BD-SA14/A/B; SA21/21A; SA23/30/30A; SA33, SH23
Sekwang Co., Ltd.	SK-EHRLD-6P, 16P, 17P, 18P
Sheyang Saifute Marine Auxiliary Machinery Plant Jiangsu	14KN/ 25KN/ 50KN/ 60KN/ 90KN/ 100KN/ 120KN, 15KN/ 40KN, 30KN/ 110KN, 55KN/ 70KN, 10KN/ 14KN/ SFTSA10DS, Single arm rescue boat/raft-21KN/ 25KN/ 40KN, Liferaft-15KN/ 21KN/ 25KN, Single arm rescue boat/raft & provision-21KN, SFT-14KN/ FCD3T*10M/ 25KN*10M, SFT-AFR25
Zhejiang Hengxin Ship Equipments Co., Ltd.	FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN
Jiangyin Wolong F.R.P Boat Co., Ltd.	JY-LE65, JY-LE85, JY-LE100, JY-LE150; JY-FH55, JY-FH70, JY-FH90, JY-FH155; JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215; JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S, JY-SAF33, JY-

	HSR23/16, JY-HSR33/23, JY-FCR2066, JY-FCR2305; JY-PLR21, JY-LFR27, JY-LRHE30, JY-LRHE70, JY-LFR35, JY-SAP14, JY-SAP30; JY-HE70, JY-HE95, JY-HE120, JY-HE155; JY-TBD 120, JY-TBD 215, JY-TBD35; JY-GYE70, JY-GYE120, JY-GYE185; JY-GL70, JY-GL95, JY-GL120, JY-GL185
<u>[Winches]</u>	
IKNOW Machinery Co., Ltd. (ex. Tsuji Heavy Industries Co., Ltd.)	EB, TC, OAP
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Ex : Jiangyin Xinjiang F.R.P. Co., Ltd.)	FW45/ JYW42/ JYW50/ JYW70/ JYW100/ JYWP70/ JYWP100/ JYWP135/ JYW35/ JYRZ21
Oriental Precision & Engineering Co., Ltd.	BWE series, SWE series, WL series
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.	BW-H(L/R)31,50,63,75;L(L/R)75,125;SC14;21, YSB20-120
Sheyang Saifute Marine Auxiliary Machinery Plant Jiangsu	Rescue boat winch-25KN/ 40KN/ D50Z/ 63KN/ E100R/ D100Z, Lifeboat winch-14KN/ 25KN/ 40KN/ D50S/ 63KN/ E70L/ D100S/ E100L
Zhejiang Hengxin Ship Equipments Co., Ltd.	DZB, D, DW
Jiangyin Wolong F.R.P Boat Co., Ltd.	JY-SAP14, JY-D23Z, JY-D23/16Z, JY-SAFC23, JY-D33/23Z, JY-SAF33, JY-LRHE30, JY-PLR21, JY-LFR27, JY-LRHE70; JY-D50S/Z, JY-D70S/Z, JY-D85S/Z, JY-D110S/Z, JY-DW125S, JY-DP110S/Z, JY-DP150/Z, JY-DP185, JY-DP215
<u>[Release Gears]</u>	
Wuxi Xingsheng Gear Case Factory	15KN, 21KN, 25KN, 35KN
Wuxi Wenjiao G.F.R.P Factroy	WJHK40, WJ30HK, WJ67HK
Wuxi Hai Hong Boat Making Co., Ltd.	HH76 / 43 / 30 / 20
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd.	HK25/25B, HK40/40C, HK65, SH70, SH85
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.	BG-3,3L, BG-7; BH-HOOK3, HOOK5, FS5, FS7 // BG-3F, 3.5F, 4F, 4.5F, 4.5FL, 5F, 6F // BG-2R, 15KNXS, 21, 23, 25KNXS, 35KNXS
Wuxi Mingzi Machinery Manufacturing Co.,Ltd.	HK40, WHK40, WHK65, 15KN, 21-25KN, 31-37KN
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Ex : Jiangyin Xinjiang F.R.P. Co., Ltd.)	JX and JXN series
Zhejiang Hengxin Ship Equipments Co., Ltd.	HK
Jiangyin Wolong F.R.P Boat Co., Ltd.	HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS

Remarks:

Approved according to MSC.402(96)/Corr.1 and IACS UR Z17, rev.14.