NIPPON KAIJI KYOKAI

CERTIFICATE OF APPROVAL FOR FIRMS ENGAGED IN MAINTENANCE, THOROUGH EXAMINATION, OPERATIONAL TESTING, OVERHAUL AND REPAIR OF LIFEBOATS, RESCUE BOATS, FAST RESCUE BOATS, LAUNCHING APPLIANCES AND RELEASE GEAR

Certificate No. : **25TZ659**
Approval No. : **25LA032**

THIS IS TO CERTIFY that

Haper Marine Co., Ltd.

(Building D) No.18 Licheng Road, Qiuchang Street, Huiyang District, Huizhou City, Guangdong Province, P.R. CHINA

is approved as a firm engaged in the servicing and maintenance of lifeboats, launching appliances, on-load release gear and automatic release hooks under the Society's Rules for Approval of Manufacturers and Service Suppliers incorporating IACS UR Z17, as amended.
This certificate is valid until **21 December 2030** subject to periodical assessment.

Issued at Tokyo on 22 December 2025.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(M. Inoue)
General Manager of Survey Department

ClassNK

This is to certify that the firm has been periodically or occasionally assessed in accordance with the regulations of Chapter 2, Part 1 of the Rules for Approval of Manufacturers and Service Suppliers.

Due Range of Periodical Assessment: *between 22 December 2027 and 21 December 2028*

Periodical Assessment	*Date*	_____
	Signature	_____
		Surveyor to NIPPON KAIJI KYOKAI
Occasional Assessment	*Date*	_____
	Signature	_____
		Surveyor to NIPPON KAIJI KYOKAI

Conditions for Approval:

1. This Certificate is valid subject to validity of certificate for personnel issued for each make and type of the equipment listed in the attachment.
2. This service supplier has been approved to service the equipment listed in the attachment in accordance with MSC. 402(96).
3. The service has been properly conducted and reported in accordance with the requirements of the Rules and the relevant Regulations.
4. Where there is any alteration to the service approved by this certificate, the Firm should notify immediately to the Society.

Attachment to
Certificate Number 25TZ659

Make	Type
Wuxi Hai Hong Boat Making Co., Ltd.	**Totally Enclosed Life/Rescue Boat** - HH70C/HH70T(QFP7.0/QFN7.0), HH85CS/HH85TS(QFP8.5/QFN8.5), HH65CS/HH65TS(QFP6.5/QFN6.5), HH75CS/HH75TS(QFP7.5/QFN7.5), HH80CS/HH80TS(QFP8.0/QFN8.0), HH65C/HH65T (QFP(H)6.5/QFN(H)6.5), HH50C/HH50T, HH53C/HH53T(QFP(H)5.3), HH75C(QFP(H)7.5), HH85C/HH85TS, HH57C/HH57T **Freefall Lifeboat** - HH59FC/HH59FF, HH76FC/HH76FF **Rescue Boat** - GJ4.5B/GJ4.5B1 **High Speed Rescue Boat** - GJ618A/GJ618B **Release Gear** - HH76/HH43/HH30/HH20
Sheyang Saifute Marine Auxiliary Machinery Plant Jiangsu	**Gravity Luffing Arm Davit** - 14KN, 25KN, 50KN, 60KN, 90KN, 100KN, 120KN **Gravity Sliding Track Davit** - 15KN, 40KN **Cross Deck Gravity Sliding Track Davit** - 30KN, 110KN **Platform Davit** - 48KN, 110KN **Free Fall Lifeboat Launching Appliance** - 55KN, 70KN **Single Arm Rescue Davit** - 10KN, 14KN, SFTSA10DS **Single Arm Rescue Boat/Raft Launching Appliances** - 21KN, 25KN,30KN, 40KN **Lift-raft Launching Appliance** - 15KN, 21KN, 25KN, 35KN **Single Arm Rescue Boat/Raft Launching Appliances & Provisions Crane** - 21KN **Hydraulic Slewing Boat-Raft Davit** - SFT-14KN, FCD3T*10M, 25KN*10M **Rescue Boat Davit** - SFT-AFR25, AR32 **Ele. Rescue Boat Winch** - 14KN, 25KN, 40KN, D50Z, 63KN, E100R, D100Z

	Ele. Lifeboat Winch - 25KN, 40KN, D50S, 63KN, E70L, D100S, E100L
Wuxi Hongsheng Marine F.R.P Co., Ltd.	**Rigid Fast Rescue Boat** - HSJ-5.5, HSJ-6.5-II, HS61KR-A, HS61KR-B, HSG-8.5-A, HSG-7.5R **Rigid Rescue Boat** - GJ4.5, GJ5.5 **Totally Enclosed Lifeboat/Rescue Boat** - HS57C, HS57F, HS85C, HS85F, HS65C **Release Mechanism** - HK45, HK40, WHK65, HK40(A), HK60
Wuxi Dongwu Marine Equipment Co., Ltd	**Gravity Luffing Arm Davit** - 18kN, 25kN, 40kN, 50kN, 60kN, 60kN(60L), 85kN, 110kN, T2.5, Sk50 **Gravity Sliding Track Davit** - 25kn, 30kN **Free-fall Lifeboat Launching Appliance** - F55, F70, NPT100F **Rescue Boats/liferafts Launching Appliances** - 21kN(Manual), 21kN(Electrical), 21kN(Electrical/hydraulic), 25kN(Electrical/hydraulic), 35kN(Electrical/hydraulic) **Electrical Boat Winch** - DZY/Z21, DS*ZY25, DZ*ZY25, DS*ZY40, DZ*ZY40, D50S/Z, DS*ZY63, DZ*ZY63, D63S/Z, 80kN **Rescue Boats Launching Appliances** - A30, H35
Jiangyin Wolong F.R.P Boat Co., Ltd.	**Totally Enclosed Lifeboat** - 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 **Free Fall Lifeboat** - JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF **Rescue Boat** - JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR **Partially Enclosed Lifeboat** - JY70P, JY80P, JY85P **Open Type Lifeboat** - JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K **Gravity Luffing Arm Type Davit** - JY-LE14, JY-LE65, JY-LE85, JY-LE100, JY-LE150 **Launching Appliance of Free-Fall Lifeboat** - JY-FH55, JY-FH70, JY-FH90, JY-FH155 **Platform Davit** - JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215 **Single Arm Boat/Raft Davit** - JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S,

	JY-SAF33, JY-HSR23/16, JY-HSR33/23, JY-FCR2066, JY-FCR2305 **Rescue Boat Davit** - JY-PLR21, JY-LFR27, JY-LRHE30, JY-LRHE70, JY-LFR35, JY-SAP14, JY-SAP30 **Gravity Overhead Rolling Type Davit** - JY-HE70, JY-HE95, JY-HE120, JY-HE155 **Telescopic Boom Type Davit** - JY-TBD 120, JY-TBD 215, JY-TBD35 **Hydraulic Luffing Arm Type Davit** - JY-GYE70, JY-GYE120, JY-GYE185 **Connecting Rod Type Davit** - JY-GL70, JY-GL95, JY-GL120, JY-GL185 **Winch** - 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 **Release Mechanism of Lifeboat/Rescue Boat** - HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS
Wuxi Huahai Marine Equipment Factory	**Gravity Luffing Arm Davit** - HML60, HML85 **Free-fall Lifeboat Launching Appliance** - HMD55F, HMD70F **Rescue Boats/liferafts Launching Appliances** - 21kN manual, 21kN Electrical, 25kN Electrical, 21kN Electrical hydraulic, 25kN Electrical hydraulic, 32kN Electrical hydraulic **Electrical Boat Winch** - HMW21, HMW25, HMW50, HMW75, HMW100, HMW110, HMW140, HMW185 **Rescue Boats Launching Appliances** - HMD14A, HMD30A, HMD30A2
Wuxi Wenjiao G. F. R. P. Factory	**Totally Enclosed Life/Rescue Boat** - WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C, WJ85F, WJ85C **Free Fall Lifeboat** - WJ59FF, WJ59FC, WJ67FF, WJ67FC **Rescue Boat** - WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB, WJJZ45, WJJZ55 **Life Boat** - WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85 **Release Hook** - WJHK40, WJ30HK, WJHK55, WJ-HK65, WJ63HKC,

	WJ67HK, WJ67FF, WJ40
Wuxi Mingzi Machinery Manufacturing Co., Ltd	**Lifeboat Hook Release Mechanism** - HK40, WHK40, WHK65 **Davit-launched Rescue Boat Manual Release Hook** - 15KN(150-T) **Davit-launched Life Raft Manual Release Hook** - 21-25KN(250-T) **Life Raft/Rescue Boat Manual/Automatically Release Hook** - 31-37KN(370-T)
Wuxi Haidelong Marine Equipment Co., Ltd.	**Launching Appliances for Freefall Lifeboat** - HDL70FA MED/1.23 **Winch for Survival Craft and Rescue Boats** - HDL70FA (Winch) MED/1.41 **Launching Appliances for Free-fall Lifeboats** - HDLZ0720 MED/1.23 **Winches for Survival Craft and Rescue Boats: (b) Free-fall Lifeboats** - HDLZ0720 (Winch) MED/1.41b **Launching Appliance Using Falls (Davit) / Liferaft Launching Appliances (Davit)** - HDL415 (Davit) MED/1.21&1.24 **Winches for Survival Craft and Rescue Boats (Winch)** - HDL415 (Winch) MED/1.41 **Launching Appliances Using Falls (Davits) / Liferaft Launching Appliacnes (Davit)** - SA23 (Davit) MED/1.21&1.24 **Winches for Survival Craft and Rescue Boats Liferafts & Rescue Boats** - SA23(Winch) MED/1.41 (c), (d) **Launching Appliances for Rescue Boat & Liferaft** - HDLD21 MED/1.24 **Winches for Survival Craft and Rescue Boats Life Rafts / Winches for Survival Craft and Rescue Boats Rescue Boats** - HDLW21 MED/1.41
SHEYANG VICTOR MARINE AUXILIARIES CO., LTD.	**Electric Lifeboat/Rescue Boat Winch** - WLT/DZA14, WLT/DSA25, WLT/DZA25, WLT/DS.Z36, WLT/DSA40, WLT/DZA40, WLT/DS.Z48, WLT/DS/ZA50, WLT/DS.Z55, WLT/DZA70(P), WLT/DS.Z70, WLT/DSZ90, WLT/DS/ZA100, WLT/DS/ZA110(P) **Gravity Luffing Arm Type Davit** - WLT/LA25, WLT/AS33, WLT/LA40, WLT/LZA50, WLT/LA50, WLT/LA56, WLT/R60, WLT/LA60, WLT/LA70, WLT/LA90, WLT/LA100, WLT/AS110, WLT/LA120 **A Type Davit** - WLT/LR36 **Platform Type Davit** - WLT/PL55, WLT/PL90, WLT/PL110

	Freefall Launching Appliance - WLT/FH55, WLT/FH70 **Manual Crane** - WLT/SQ21-2 **Single Arm Boat/Raft & Provision Davit** - WLT/SA21/15 **Hydraulic Gravity Luffing Arm Type Davit** - WLT/SA25 **Boat/Raft Davit & Luffing Crane** - WLT/SA21, WLT/ESC23-6m **Multifunctional Hydraulic Telescopic Slewing Crane** - WLT/YESC3t **Hydraulic Crane and Boat/Raft Landing Device** - SWLTA21-3t-6m

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