



WUXI DONGWU MARINE EQUIPMENT CO., LTD

Add: Tancun Industrial Park,Zhaqiao WuXi City


Tel No.: +86-510-88719199 Fax No.: +86-510-88719799

E-Mail : fanways@163.com & fanways@wuxidongwu.cm Post Code: 214104

APPROVAL OF SERVICE ENGINEER

To whom it may concern ,

This is certify that

Technician Name:	Omer Bakacak	
Company :	Onursan Co., Ltd.	
Issue Date:	April 17, 2020	
Expiry Date:	April 16, 2023	
Certificate No.:	PT20200417-001	
ID No.:	U02106536	
Areas Covered:	Turkey	

Has been qualified and approved to be the service engineer to perform inspections ,maintenance ,repairs,testing, annual &five yearly and other services required by IMO MSC.402(96) for all products under the name of Wuxi Dongwu Marine Equipment Co.,Ltd.

Davit	Model
Gravity Luffing Arm Davit	18kN/25kN/40kN/50kN/60kN/60kN(60L)/85kN/110kN/T2.5 /Sk50
Gravity SlidingTrack Davit	25kN/30kN
Free-fall Lifeboat Launching Appliance	F55/F70/NPT100F
Rescue Boats/liferafts Launching Appliances	21kN(maual)/21kN(Electrical)/21kN(Electrical / hydraulic)/ 25kN(Electrical / hydraulic)/35kN(Electrical / hydraulic)/ DWC210
Rescue Boats Launching Appliances	A30/H35
winch	Model
Life boat winch	DS*ZY25/DS*ZY40/D50S/DS*ZY63/D63S/80kN(life)
Life /rescue boat winch	DZY/Z21/DZ*ZY25/DZ*ZY40/D50Z/DZ*ZY63/D63Z/80kN(rescue)

Wuxi Dongwu Marine Equipment Co.,Ltd. Will provide above engineer with full support in terms of technical manual and spares parts for the repair and maintenance of the above products.


 General Manager
 Wuxi Dongwu Marine Equipment Co., Ltd.
 Date: April 17, 2020



WUXI DONGWU MARINE EQUIPMENT CO., LTD

Add:TANCUN INDUSTRIAL PARK,ZHAQIAO TOWN,XISHAN DISTRICT,
WUXI CITY,JIANGSU PROVINCE, CHINA

WWW.WUXIDONGWU.CN FANWAYS@WUXIDONGWU.CN

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Authorization Letter

REGISTER No: DW20200417-001

ISSUED DATE: April 17, 2020

LIFEBOAT DAVIT& WINCH INSPECTION OF
SOLAS Regulation III 20.3.2 and IMO/MSC.1/Circular 1206 rev.1/MSC.402 (96)

Dear Sirs:

This letter of Approval is to certify that our organization has an agreement with

ONURSAN LTD.

Aydınlı Birlik OSB 2. Sokak No: 4 Tuzla, Istanbul, Turkey, 34953

T : +90 216 3958780 / F : +90 216 3950460

under which the aforesaid service organization holds the rights to execute all inspections and repair works of Boat Davits and Winches manufactured by **Wuxi Dongwu Marine Equipment Co.,ltd.**(the next page attached list of equipment)

The above authorization is valid for a period of three years from April 17, 2020 to April 16, 2023.

WUXI DONGWU MARINE EQUIPMENT CO., LTD



General Manager

Date: April 17, 2020

重力倒臂式吊艇架

Gravity Luffing Arm Davit

吊艇架型号 Type of Davit	图号 Drawing No.	最轻放艇负荷 Min. Lowering load (kN)W1	最大工作负荷 Max. working load (kN)W2	最大回收负荷 Min. recovery load (kN) W3
18kN	215DW18C-00	10	18	14
25kN	215DW44-56-00	13	28	19
40kN	215DW40C-00A	16	42	28
50kN	215DW50-00	25	50	38
60kN	215DW60-00	24	68	45
60kN	215DW60L-00	20	60	42
85kN	215DW85-00	32	85	48
110kN	215DW549-00	35	110	60
T2.5	215DW506-00	12	25	46
Sk50	215DW508-00	12	50	26.2

重力滑轨式吊艇架

Gravity SlidingTrack Davit

吊艇架型号 Type of Davit	图号 Drawing No.	最轻放艇负荷 Min. Lowering load(kN) W1	最大工作负荷 Max. working load(kN) W2	最大回收负荷 Min. recovery load(kN)W3
25kn 滑轨式	215DW25H-00	12	25	19
30kn 滑轨式	215DW30H-00	13	30	26

自由降落式救生艇降放装置

Free-fall Lifeboat Launching Appliance

艇架型号 Type of Davit	图号 Drawing No.	安全工 作负荷 Safe working load (kN)	最轻降放 负荷 Min. lowering load (kN)	最大回收负 荷 Max. recovery Load (kN)	起艇速度 Hoisting speed (m/min)	液压系统工作 压力 Working pressure of hydraulic systems (MPa)
F55	215DW-F55-00	55	27	42	≥3	17.5
F70	215DW-F70-00	70	37	50	≥3	17.5
NPT100F	NPT100F-06	110	40	68	≥3	17.5

救助艇/筏降放装置

Rescue Boats/liferafts Launching Appliances

产品型号 Model	21kN 手动 (maual)	21kN 电动 (Electrical)	21kN 电动/液 压 (Electrical / hydraulic)	25kN 电动/液压 (Electrical / hydraulic)	35kN 电动/液 压 (Electrical / hydraulic)
图号 No. of drawing	215DW-21-4-00	215DW-21-4D-00	215DW-21-4Y- -00	215DW-25-4Y- 00	215DW35-00
工作负荷 Working Load	21 kN	21 kN	21 kN	25kN	35kN
回转负载 Slewing Load	14 kN	14 kN	14 kN	14 kN	31kN
起升负荷 Hoisting Load	14 kN	14 kN	14 kN	14 kN	31kN
起升速度 Hoisting Speed	≥18m/min	≥18m/min	≥18m/min	≥18m/min	≥18m/min
降放速度 Launching Speed	50m/min	50m/min	40-60m/min	40-60m/min	40-60m/min
电能回转角度 Slewing Angle of Electric Power	/	≤330°	≤330°	≤330°	≤330°
电能回转速度 Slewing Speed of Electric Power	/	≥0.8/min	≥0.25r/min	≥0.25r/min	≥0.25r/min
蓄能回转角度 Slewing Angle of Accumulator	/		≤110°	≤110°	≤110°
蓄能回转速度 Slewing Speed of Accumulator	/		0.6-0.8r/min	0.6-0.8r/min	0.6-0.8r/min
工作半径 Working Radius	4.5m	4.5m	5.5m	5.5m	5.5m
允许工作倾角 Allowable Working Inclination Angle	纵倾 trim 10° 横倾 heel 20°				



电动起艇绞车

Electrical Boat Winch

绞车型号 Type of Winch	图号 Drawing No.	最大工作负载 Max. working load (kN)	起升负载 Hoisting Load (kN)	最轻降放负载 Min. lowering load (kN)	起升速度 Hoisting speed (m/min)	下放速度 Launching Speed (m/min)
DZY/Z21	241DW548-00	21	14	2	18	~50
DS*ZY25	241DW512-00	25	15	13	10	70-80
DZ*ZY25	241DW530-00	25	15	13	10/36	90-110
DS*ZY40	241DW513-00	40	20	16	10	80-90
DZ*ZY40	241DW516-00	40	22	16	10/36	90-110
D50S/Z	241DW528-00	50	28	9	S:10 Z:36	95-110
DS*ZY63	241DW526-00	63	30	24	10	90-110
DZ*ZY63	241DW527-00	63	30	24	10/36	85-110
D63S/Z	241DW538-00	63	30	24	S:10 Z:36	85-110
80kN	215DW548-00	80	40	20	S:10 Z:36	85-110

救助艇降放装置

Rescue Boats Launching Appliances

艇架型号 Type of Davit	图号 Drawing No.	安全工作负荷 Safe working load (kN)	起升负荷 Hoisting Load (kN)	降放速度 Launching Speed (m/min)	起艇速度 Hoisting speed (m/min)	液压系统工作压力 Working pressure of hydraulic systems (MPa)
A30	215DW-A30-00	30	30	40-60	≥18	17.5
H35	215DW-H35-00	35	35	40-60	≥36	17.5