

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. RJN0/EDU/20230805203101

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: **METALOCK BRASIL LTDA**

Company address*: Rua Visconde do Rio Branco, 22
CEP: 11013-030 SANTOS - SP
BRAZIL

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**: 08 May 2026

Completion date of the assessment on which this certificate based: 09 May 2023

At: Santos - Brazil on 05 August 2023

Bureau Veritas Surveyor's signature :

**BUREAU VERITAS
MARINE & OFFSHORE**

Eduardo Vida



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)
Davit launched totally enclosed Lifeboats	Fassmer Service GmbH	GMR 5.9, TGMR 5.9 , GMR 6.5, TGMR 6.5, GMR 7.4, TGMR 7.4, GMR 8.3, TGMR 8.3, CLR-C 5.9, CLR-T 5.9, CLR-C 6.4, CLR-T 6.4, CLR-C 6.8, CLR-T 6.8, CLR-C 7.2, CLR-T 7.2 , CLR-C 7.6, CLR-T 7.6, CLR-C 8.1, CLR-T 8.1, CLR-C 8.5, CLR-T 8.5, CL-C 8.9, CL-T 8.9, CL-C 9.4, CL-T 9.4, CL-C 9.8, CL-T 9.8, CL-C 10.2, CL-T 10.2, CL-C 10.7, CL-T: 10.7, CL-C 11.1, CL-T 11.1, CL-C 11.5, CL-T 11.5, CL-C 11.9, CL-T 11.9, CL-C 12.4, CL-T 12.4, CL-C 12.8, CL-T 12.8, CL-C 13.2, CL-T 13.2, CLX ® 8.5, CLX 10.0, CLX 11.7, CLX 12.8	-
Freefall Lifeboat	Fassmer Service GmbH	CFL 4.9, CFL-T 4.9, GAR 6.0, GAR-T 6.0, GAR 6.8, GAR-T 6.8, GAR 6.7, GAT-T 6.7, GAR 7.4, GAR-T 7.4, GAR 8.1, GAR-T 8.1, GAR 7.7, GAR-T 7.7, GAR 8.5, GAR-T 8.5, CFL-C 66, CFL-T 66, CFL-C 72, CFL-T 72, CFL-C 77, CFL-T 77, CFL-C 83, CFL-T 83	-
Partially enclosed Lifeboats	Fassmer Service GmbH	CL-P 5.9, CL-P 6.4, CL-P 6.8, CL-P 7.2, CL-P 7.6, CL-P 8.1, CL-P 8.5, CL-P 8.9, CL-P 9.4, CL-P 9.8, CL-P 10.2, CL-P 10.7, CL-P 11.1, CL-P 11.5, CL-P 11.9, CL-P 12.4, CL-P 12.8, CL-P 13.2, SEL 8.15, SEL 8.8, SEL 9.6, SEL 10.5, SEL 10.55, SEL 11.80, SEL 12.5, SEL-R 8.15, SEL 15.75, SEL-T 10.75	-
Partially enclosed Lifeboats - Tenderboats	Fassmer Service GmbH	TL Limo 1100, SEL-T 11.0, SEL-T 11.7, SEL-T 12.3, SEL-T 14.0, SEL-T 14.7, SEL-T 15.75, PLL 1099, PLT-EVO 170	-
Partially enclosed lifeboat, tenderboat and rescueboat	Fassmer Service GmbH	SEL-RT 7.7, SEL-RT 7.5, SEL-RT 8.5	-
Partially enclosed Life- and Crew Tenderboats	Fassmer Service GmbH	SEL 11.0 (-T)	-

Partially enclosed Life/Rescue / Work/Tender-Boats	Fassmer Service GmbH	EL-R 7.4, SEL-R 8.5	-
High-performance tender	Fassmer Service GmbH	SFB 10.1	-
Rigid Rescueboat	Fassmer Service GmbH	RR 4.2, RR 4.2-M, RR 4.5 ID	-
Rescueboat	Fassmer Service GmbH	RIR 625 ID	-
Fast rigid rescueboats	Fassmer Service GmbH	FR (I)R 6.1, FR (I)R 6.1 ID, FRR 6.2 ID, FRR 6.5 ID-SF, FRR 6.6 ID, FRR 7.0 ID-SF, FRIR 6.25, FRR 7.0	-
Freefall Lifeboat Release Mechanism	Fassmer Service GmbH	FFRU 6.6	-
Offload rescue boat hook	Fassmer Service GmbH	FOH 27, FOH 30, FOH 70	-
Onload release gear	Fassmer Service GmbH	Duplex 25E2, Duplex 2.5E, Duplex 50E2, Duplex 5.0E, Duplex 60E2, Duplex 6.6E, Duplex 10E, Duplex 140E2, Duplex 14E, Duplex 17E, Duplex 180E2, Duplex 230E2, Duplex 23E	-
Fassmer Hydraulic Davit	Fassmer Service GmbH	FHD 80, FHD 100, FHD 120, FHD 130, FHD 150, FHD 170, FHD 172, FHD 280, FHD 450	-
Hinged Davit	Fassmer Service GmbH	FHDY 100	-
Freefall Davit	Fassmer Service GmbH	FFH 45, FFH 65, FFH49, FFH 50, FFH 60, FFH 66, FFH 70, FFH 72, FFH 75, FFH 77, FFH 80, FFH 83, FFH 85, FFH 90	-
Pivot Davit	Fassmer Service GmbH	FPD 55, FPD 60, FPD 100, FPD 80, FPD 120, FPD 150, FPD 170, FPD D60	-
Freefall Ramp	Fassmer Service GmbH	FLR 49, FLR 66, FLR 8005, FLR 8006, FLR 8007	-
Multi Pivot Davit	Fassmer Service GmbH	FMPD 100, FMPD 130, FMPD 150, FMPD 160	-
Outrigger davit	Fassmer Service GmbH	FOD 100, FOD 120, FOD 130, FOD 150, FOD 170, FOD 190, FOD 40R, FOD 50, FOD 55, FOD 80, FOD LBC 300, FOD SAR 40, FOD-R 22, FOD-R 23, FOD-R 25, FOD-R 40, FOD TC 450	-
Rescue boat davit	Fassmer Service GmbH	FOSV 71, FSAH 22	-
Rescue boat crane	Fassmer Service GmbH	FSAH 28, FSAH 32, FSAR 14, FSARR 14/3.5 HS, FSAR 21, FSARR 22/4.0HS-M, FSAR 28, FSAR 40	-
FRC crane	Fassmer Service GmbH	PRHE 30	-
Winch	Fassmer Service GmbH	DEW 40, DEW 85, DEW 2000	-
Winch/ rescue boat crane	Fassmer Service GmbH	DEW 8, FWD 40 RB	-
(Fast) Rescue boat	Hatecke Service GmbH	Series: RB AB, RB AB Duplex, RB AB FH, RB IB and RB/FRB AB FH	-

Launching appliances	Hatecke Service GmbH	Series: FFA, FFA LP, FFB, Gsp.O, Gsp.FP, Gxp.FLH, W07, W10 and W26	-
Lifeboats	Hatecke Service GmbH	Series: GFF, GFF-T, GSAR, GSL and GSL-T	-
Release gears	Hatecke Service GmbH	Series: Duplex 2.6, Duplex 3.0, Duplex 3.5, Duplex 4.3/4.6, Duplex 6.0, GFF-R-10, GFF-R-11, GFF-R-8, RAFTI 2.5, Simplex 2.0 Off-load, Simplex 2.0 to Simplex 2.0i, Simplex 3.0, Simplex 4.3 and Simplex 6.0	-
Lifeboats and launching appliances	Global Davit GmbH	Series: Fhs/Rms/Rhs/Rhp/Rht/Lms/Lhs/Lgp/Rhp.HC/Rhs.HC/Gsp/Glp	-
Cranes	Davit International-hische GmbH	For FREEFALL: C-F series For BOAT HANDLING: C-S series	-
Davits	Davit International-hische GmbH	For FREEFALL: D-F series (freefall only), D-TF series, D-FH/FG series For roller track only: D-RT series, For fixed offshore: D-FO series For normal pivot: D-NP series (exc. D-NP.M and D-NP.SP series), For boat: D-BC and D-BR series For rescue boat: D-CL series, D-CR series, D-NPS.SP series, D-SR series For raft handling: D-RC and D-RB series	-
Hooks	Davit International-hische GmbH	For rescue boat: RH and OLH series For liferaft: OLRH and HS Sezamor) series For liferaft/rescue boat: ARH and CAR (Palfinger) and PX (T-ISS) series"	-
Lifeboats and launching appliances	Iknow Machinery Co.Ltd (ex -Tsuji Heavy Industries Co., Ltd.)	Davit series: H, T, TC Winches series: EB, TC, OAP	-
Lifeboats	Japan Marine United Corporation (ex IHI Craft, IHI Amtec, IHI Marine United Inc.)	GRAVITY: GF80B/GF80C/GF80E/GF60F/GF80G/GF80H/GTR57(C,F)/ GTR57JY(C,F)/GTC60C/GTC65(C,F)/GTC70(C,F)/GTC75(C,F)/GT65F/GT70F/GT75F/Other (JY series of Jiangsu Jiaoyan with JMU nameplate with JG shop inspection approval certificate) FREE FALL: MU-FN-5.8J/MU-FF-5.8J/MU-FN-6.8J/MU-FF-6.8J	-

		OPEN: S65A/S73A/S75A/80A/G73 B/G73C/G75A/G80A"	
Lifeboats davits	Japan Marine United Corporation (ex IHI Craft, IHI Amtec, IHI Marine United Inc.)	GRAVITY: MUL52 (Winch MUW42R/MUW42L) FREE FALL: MUF-55J/MUF75J"	-
Rescue boats	Japan Marine United Corporation (ex IHI Craft, IHI Amtec, IHI Marine United Inc.)	RESCUE BOAT: Series MU-GJ4.5J DAVIT: Series MUR21J "	-
Davits	Mansei Inc. (Mansei Industry Co. Ltd)	Series: EBD-, EM-, ABD-, AH-, AT-, AV-; Series EH-, ET-, EV-, M-, and CM-; Series: D-FH, DE-FH-, MFE-, and MFH-; Series: SR-, SER-, R-, S-, RD-, and EHR	-
Winches	Mansei Inc. (Mansei Industry Co. Ltd)	Series: EBW-, ABW-, and AW-; Series: EW-, MW-, and CMW-; Series: 06-, and FW-; Series: SW-, RMW-, MLW-, and ERW-	-
Release hooks	Mansei Inc. (Mansei Industry Co. Ltd)	Series of RH	-
Davits	Miura Machine Co. Ltd (Miura Vider Co. Ltd)	Series: SP, MV, GRA, and SAR	-
Winches	Miura Machine Co. Ltd (Miura Vider Co. Ltd)	Series: BH, BE, and BA	-
Lifeboats and launching appliances	Nishi-F Co. Ltd. (Nishi-Nippon F.R.P. Shipbuilding Co. Ltd. and Ishihara Dockyard Co. Ltd.)	All	-
Lifeboats and launching appliances	Hoei Senpaku Co. Ltd.	Series: HS650/HS650F/HS520/HS520F/SO/SM/FO/ FM	-
Lifeboats and launching appliances	Shigi Shipbuilding Co. Ltd	Series: SZ, FEL, VOX, GARS and OPEN type	-
Davits	Sekigahara Seisakusho Ltd.	GRAVITY type: SH, SFB, SHS, STS and SSS FREE FALL lifeboat type: SFS, SFA, SFB, SFC and SFD RESCUE boat type: SJS and SJR WINCH: SNW, SWE	-
Boats	Jiangsu Jiaoyan Marine Equipment Co. Ltd (Ex Jiangyin Xinjiang F.R.P Co. Ltd.)	FREE FALL: 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, JY-FN-FF-9.5	-
Boats	Jiangsu Jiaoyan Marine Equipment Co. Ltd (Ex Jiangyin Xinjiang F.R.P Co. Ltd.)	RESCUE BOAT: GJ4.2, GJ4.25, GJ4.5, GJ5.0, GJ5.25, GJ6.0B-1, GJ6.10, GJ7.50, GJ8.0Q-2, GJ8.5Q-2	-
Boats	Jiangsu Jiaoyan Marine Equipment Co. Ltd (Ex Jiangyin Xinjiang F.R.P Co. Ltd.)	GRAVITY: JY-QFP-5.0, JY-QFP-5.25, JY-QFP-6.0A, JY-QFP-6.50, JY-QFP-7.0, JY-QFP-7.5	-

Boats	Jiangsu Jiaoyan Marine Equipment Co. Ltd (Ex Jiangyin Xinjiang F.R.P Co. Ltd.)	GRAVITY TYPE (Fire-protect): JY-QFN-5.0, JY-QFN-5.25, JY-QFN-6.0A, JY-QFN-6.50, JY-QFN-7.0, JY-QFN-7.5	-
Davits	Jiangsu Jiaoyan Marine Equipment Co. Ltd (Ex Jiangyin Xinjiang F.R.P Co. Ltd.)	GRAVITY LUFFING ARM TYPE: JYL52/JYL55/JYL65/JYL85, JYL105, JYL135 LAUNCHING APPLIANCE: JYF55/JYF75/JYF85, JYF90, JYF105, JYF135 SINGLE ARM: JYR21/JYRC21/JYR14/JYRH14/JYRH21, JYR26, JYR30 ELECTRIC BOAT WINCH TYPE: JYW42/JYW50/JYW70/JYW100	-
Lifeboats	Qingdao Beihai Shipbuilding Heavy	TOTALLY ENCLOSED: BH5, BH-5A, BH-5S, BH-5SA, BH-E500, BH-E585, BH-6, BH-6A, BH-6S, BH-E670, BH-7A, BH-7B and BH-8 FREE FALL: BH-F6.0, BH-F7.0A, BH-F7.8, BH-F8.1, BH-F5.8, BH-F6.8, BH-F660, BH-F670, BH-F750 and BH-F900A RESCUE BOAT: BH-R4, BH-R4S, BH-R4SA, BH-R5S, BH-HR6 and BH-HR7	-
Davits	Qingdao Beihai Shipbuilding Heavy	GRAVITY PIVOT: BD-PV-50, BD-PV-60, BD-PV-60S, BD-PV-85 and BD-PV-125 FREE FALL: BD-FF55, BD-FF55A, BD-FF55R, BD-FF80, BD-FF80A, BD-FF80R, BD-FF80B, BD-FF65, BD-FF66, BD-FF67 and BD-FF85 SINGLE ARM: BD-SA14, BD-SA14A, BD-SA14B, BD-SA21, BD-SA23, BD-SA30, BD-SA30A, BD-SA33 and BD-SH23, RBD966	-
Winches	Qingdao Beihai Shipbuilding Heavy	BW-H(L/R)31, BW-H(L/R)50, BW-H(L/R)63, BW-H(L/R)75, BW-L(L/R)75, BW-L(L/R)125, BW-SC14, and BW-SC21	-
Release mechanisms	Qingdao Beihai Shipbuilding Heavy	GRAVITY LIFEBOAT: BG-3, BG-3L, BG-7, BH-HOOK3, BH-HOOK5, BH-FS5 and BH-FS7 FREEFALL LIFEBOAT: BG-3.5F, BG-4F, BG-4.5F, BG-4.5FL, BG-5F and BG-6F	-

		RESCUE BOAT: BG-2R, BG-15KNXS, BG-25KNXS and BG-35KNXS	
Hinged gravity type davit & winch	Oriental Inspection & Service Co. Ltd	DAVIT series: HGD, HGK, SHS, RTD, DHA and DMA WINCH series: BWE, SWE and WL	-
Freefall davit & winch	Oriental Inspection & Service Co. Ltd	Series: FD and WL	-
Rescue / liferaft davit & winch	Oriental Inspection & Service Co. Ltd	Series: RD and RDW	-
Lifeboat and rescue boats	HLB Co. Ltd (ex-Hyundai Lifeboats Co. Ltd)	Series: HD, HT, HDL, HLB, HDFL, HDFN, HDR and HDFR	-
Release mechanisms	HLB Co. Ltd (ex-Hyundai Lifeboats Co. Ltd)	Series: THP, TALON and TALON II	-
Davits	BADA Heavy Industries Co. Ltd (ex-D.R.M)	Series: BHD, BDTD, BDHP, BDTW, BDRW, BDM and BFOD Series: HDFL, HDF, BDF, BDR, BDH, BDA, BDFA, BDL, BDR and BHI	-
Winches	BADA Heavy Industries Co. Ltd (ex-D.R.M)	Series: DRM, DRBW, BAW, BDF, BHI, BLW, BMW, BRW, BWL, BWR, FHW, and RLD	-
Release mechanisms	BADA Heavy Industries Co. Ltd (ex-D.R.M)	Series: BDR, BHA and BHR	-
Lifeboats, winches and launching appliances	Survival Systems International	Systems series: CA2100, CA3600 and CA6000 W-Series winches (W1402, W2800, W5000)	-
Free Fall Lifeboat Type	Kyoritsu Kikai Co., Ltd.	Series of LAF	-
Liferaft/Rescueboat Type	Kyoritsu Kikai Co., Ltd.	Series of DBZ	-

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

The personnel of the Service Supplier who have been assessed by this Society are listed here below, any alteration to this list must be informed to the Society for the updating of the corresponding Certificate.

List of Qualified Technicians

Supervisor Anderson Antonio Oliveira dos Santos

Technician Robin Kilpatrick
Technician Heric Bezzera
Technician Diego Aguiar
Technician Leandro Nogueira

6- Endorsement where an intermediate audit has been performed

Signed:
(*Surveyor to BUREAU VERITAS MARINE & OFFSHORE*)

Place:

Date: