



Eurosul Fornecedor de Navios Ltda
 Rua Jaguaraiava, 596, Andar 01 - Pinhais/Pr
 Alphaville Graciosa - Cep: 83.327-076
 Fone: 41 3668-1319 - Cel: 41 99191-3037
 Email: CRL@eurosul.com
 CNPJ 03.178.524/0001-65 - Insc: 90186639-26



Manual de uso Fita Antiqueda FPD Bote Salva Vidas

O Dispositivo Antiqueda (FPD) compatível com as diretrizes MSC.1/Circ 1327, desenvolvido para reduzir o número de acidentes causados pela falha de ganchos de liberação do bote salva-vidas em carga.

Os FPDs são fixados entre o bote salva-vidas e os blocos de queda do turco dianteiro e traseiro, fornecendo uma segunda linha de segurança caso o sistema de gancho carregado falhe ao abaixar ou levantar o bote salva-vidas.

As tiras de segurança são removidas antes de ativar o mecanismo de liberação da eslinga logo antes do bote salva-vidas entrar na água. As tiras são então recolocadas antes que o bote salva-vidas seja retirado da água. Todos os FPDs precisam estar no local antes de qualquer trabalho de perfuração, teste, inspeção ou manutenção que exija que as pessoas estejam no bote salva-vidas.



Page 1 of 1

Report no: 22-13446-04th-110 Project no: 4779469 Report date: May 28, 2022 Office: Shanghai

REPORT OF ACTIVITY

General scope of activity: Third Party Inspection	Dates of all related activity: May 28, 2022
Client: Company name: Yangzhou XinTianHe Rope Co., Ltd. Address: Shenyang Lake Town Industrial Clusters, Baoying Country, Jiangsu Province, China	Supplier: Company name: Yangzhou XinTianHe Rope Co., Ltd. Address: Shenyang Lake Town Industrial Clusters, Baoying Country, Jiangsu Province, China
Contact(s): Mr. Damon PO/shop/contract or job no: --	Contact(s): Mr. Damon PO/shop/contract or job no: --
Subvender - 1: N/A Company name: -- Address: -- Contact(s): -- PO/shop/contract or job no: --	Subvender - 2: N/A Company name: -- Address: -- Contact(s): -- PO/shop/contract or job no: --
Component description(s): UHMWPE Rope with Shackles-SWL 6.5t (Lifeboat fall preventive device) Type: Ø24mm x 1m	Results: Meets requirements <input checked="" type="checkbox"/> Subject to condition(s) noted <input type="checkbox"/> Does not meet requirements <input type="checkbox"/>

This is to certify that the undersigned did at the request of Yangzhou XinTianHe Rope Co., Ltd. attend the Yangzhou XinTianHe Rope Co., Ltd. located at Shenyang Lake Town Industrial Clusters, Baoying Country, Jiangsu Province, China on May 28, 2022 in order to carry out the scope of services described below.

1.0 Scope of service activity:

- Documents review
- Witness breaking load test for specimen as per supplier's test procedure (No.: XTH/022, Rev-C/03)

2.0 Details:

- The undersigned reviewed the calibration certificate of the horizontal tensile test equipment (Type: DYSFL-7000H, Cert. No: M2021-3039916). The calibration date was July 1, 2021 with one-year validation.
- The undersigned reviewed the documents provided by the supplier including raw material test report, Semi-finished product test report, production process sheet, specimen sampling record. These documents show that the specimen was selected from specified reel (No.: 2204S081) by the supplier, the specimen represents the same batch product S/N 2204S032 thru 2204S131.
- The specimen was prepared by the supplier, the undersigned witnessed the breaking load test of the specimen, please find detail as table below:

Specimen No.	Required Minimum Breaking Test Load	Actual Breaking Test Load	Breaking Position	Test Results
2204S081	400 kN	455 kN	The specimen did not break during the testing	Satisfactory

3.0 Identification of item(s) verified:

- 100 pieces of UHMWPE Rope with Shackles-SWL 6.5t (Lifeboat fall preventive device) product, Ø24mm x 1m, S/N 2204S032 thru 2204S131.

4.0 Conclusion:

- Inspections of the UHMWPE Rope with Shackles-SWL 6.5t (Lifeboat fall preventive device) (Specimen) were carried out within the defined scope of inspection where indicated herein, and the result found satisfactory to the supplier's test procedure.

5.0 Attachments:

Nil

Report prepared and submitted without prejudice.


Kong Xiaofei

Technical Representative / ABS Consulting

This Report is granted subject to the condition that it is understood and agreed that nothing herein contained shall be deemed to relieve any designer, manufacturer, seller, supplier, importer or operator of any warranty, express or implied and the liability of ABS Consulting Inc. (hereinafter referred to as ABS Consulting) shall be limited to the acts or omissions of its employees, agents or subcontractors. Under no circumstances whatsoever shall ABS Consulting be liable for any injury or damage to any person or property occurring by reason of negligent operation or any defect in materials, machinery, equipment or other items other than such defects ascertainable by normally accepted testing standards and only upon those items actually inspected by ABS Consulting and which are covered by this Report.
This certificate/report is issued by ABS Consulting, and shall not be construed as a partial or complete fulfillment of requirements specified in ABS Consulting Rules/Standards/Procedures.

Form IS-2
Reporting, TIV-PRO-00025

Attachment B, TIV-ATT-00206 - Rev. 2



Eurosul Fornecedor de Navios Ltda
Rua Jaguariva, 596, Andar 01 - Pinhais/Pr
Alphaville Graciosa - Cep: 83.327-076
Fone: 41 3668-1319 - Cel: 41 99191-3037
Email: CRL@eurosul.com
CNPJ 03.178.524/0001-65 - Insc: 90186639-26



Atenção

Os seguintes pontos devem ser considerados ao utilizar pinos de travamento como FPDs: ganchos de liberação sob carga existentes instalados em navios não devem ser modificados por perfuração para fornecer um ponto de inserção de pino de travamento, podendo reduzir a resistência do gancho;

Os pinos de travamento devem ser confirmados antes de virar o bote salva-vidas e durante a descida para a água; procedimentos rigorosos, incluindo um aviso na alavanca de liberação, devem ser implementados para garantir que o pino de trava seja removido antes que o mecanismo de liberação seja ativado.

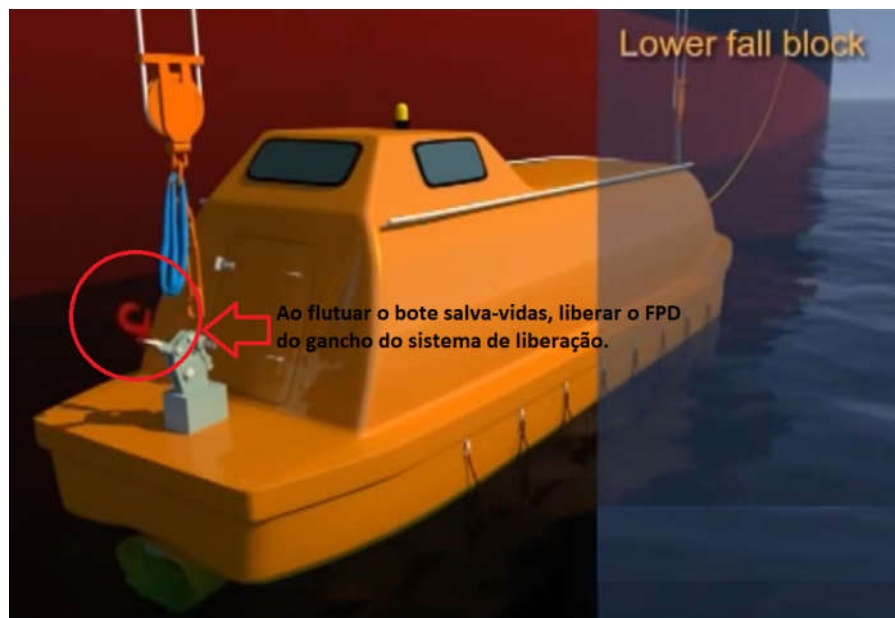
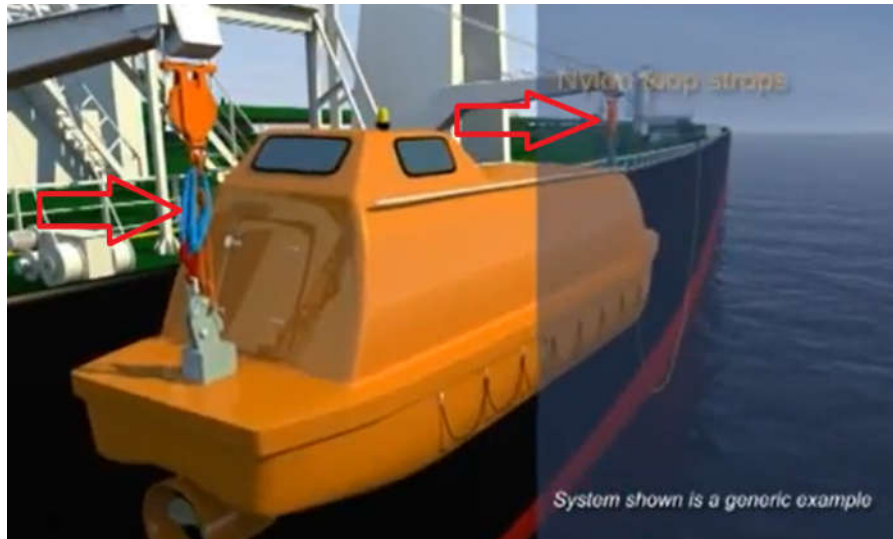
A alça do pino de travamento deve ser de cor vermelha ou de uma cor de segurança contrastante adequada e marcada com destaque com um aviso de que deve ser removida antes de ativar o mecanismo de liberação; a remoção do pino deve ser realizável de forma rápida e fácil, sem representar qualquer risco para a tripulação operacional designada para realizar a tarefa uma vez que a embarcação salva-vidas tenha chegado à água; se a remoção dos pinos exigir a abertura da escotilha do bote salva-vidas, ela deve ser prontamente alcançável pela tripulação operacional em cada dispositivo de dentro da embarcação; uma vez que os ganchos de liberação em carga tenham sido conectados para recuperar o barco salva-vidas, os pinos de travamento devem ser reinseridos antes que o barco seja içado para fora da água.

Anexar à alça de liberação no barco salva-vidas antes de remover o FPD e antes de ativar o mecanismo de liberação do barco salva-vidas.



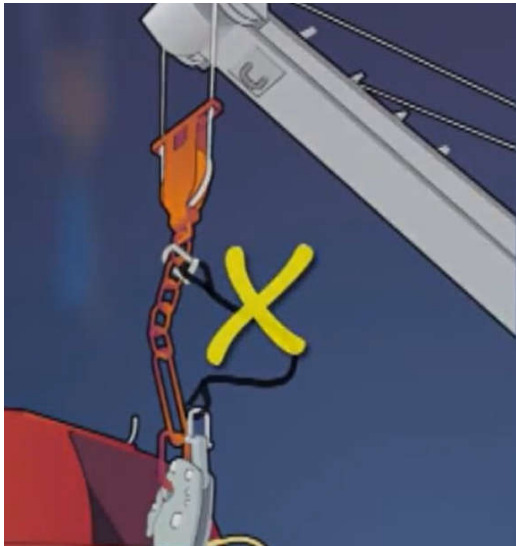


Eurosul Fornecedora de Navios Ltda
Rua Jaguaraiava, 596, Andar 01 - Pinhais/Pr
Alphaville Graciosa - Cep: 83.327-076
Fone: 41 3668-1319 - Cel: 41 99191-3037
Email: CRL@eurosul.com
CNPJ 03.178.524/0001-65 - Insc: 90186639-26





Eurosul Fornecedora de Navios Ltda
Rua Jaguaraiava, 596, Andar 01 - Pinhais/Pr
Alphaville Graciosa - Cep: 83.327-076
Fone: 41 3668-1319 - Cel: 41 99191-3037
Email: CRL@eurosul.com
CNPJ 03.178.524/0001-65 - Insc: 90186639-26



Do not use the hanging-off pendants or the foul-weather recovery strops as FPDs

They are only to be used for the purpose for which they were designed

Não utilizar outros strops que não sejam os FPDs apropriados nas conexões corretas

Video

<https://www.youtube.com/watch?v=tZrQDZcT7F4>

ON LOAD RELEASE

THIS OPERATION IS CONDUCTED WHEN THE LIFEBOAT IS NOT FULLY WATERBORNE

STEP 1 - CONFIRM THE FOLLOWING BEFORE OPERATION

- ↳ LIFE BOAT IS AS CLOSE AS POSSIBLE TO THE WATER SURFACE
- ↳ THE ENGINE IS STARTED
- ↳ ALL CREW ARE SEATED WITH THEIR SEATBELTS FASTENED

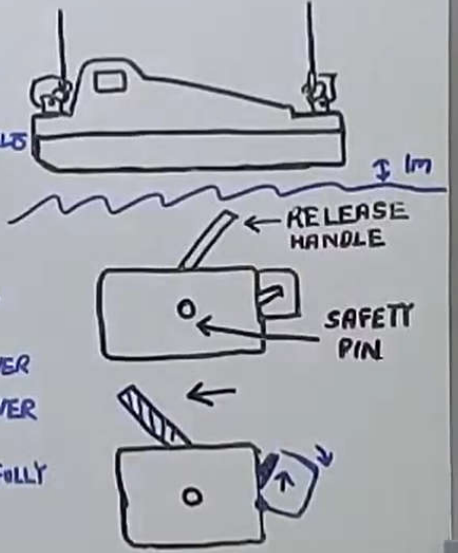
STEP 2 - PULL OUT THE RELEASE HANDLE "SAFETY PIN"

STEP 3 - OPEN THE HYDROSTATIC INTER LOCK COVER

- ↳ UNLOCK THE LATCH OF THE INTERLOCK COVER

STEP 4 - LIFT THE HYDROSTATIC INTERLOCK LEVER FULLY AND HOLD IT

STEP 5 - PULL THE RELEASE HANDLE TO THE FULLY OPEN POSITION BY ONE ACTION.





Eurosul Fornecedor de Navios Ltda
Rua Jaguaraiava, 596, Andar 01 - Pinhais/Pr
Alphaville Graciosa - Cep: 83.327-076
Fone: 41 3668-1319 - Cel: 41 99191-3037
Email: CRL@eurosul.com
CNPJ 03.178.524/0001-65 - Insc: 90186639-26



This operation is conducted when the lifeboat is not fully waterborne

Operação realizada quando o bote salva-vidas fora da água

Step 01: Confirm before operation Lifeboat is as close as possible to the water surface.

Passo 01: Confirme antes da operação que o bote salva-vidas está o mais próximo da superfície da água. O motor é iniciado.

The engine is started

Todos os tripulantes estão sentados com os cintos de segurança afivelados

All crew are seated with their seat belts fastened

Step 02: Pull out the release handle "safety Pin"

Passo 02: Puxe a alça de liberação "pino de segurança"

Step 03: Open the hydrostatic inter lock cover

Passo 03: Abra a tampa do inter travamento hidrostático.

Step 04: Lift the hydrostatic interlock lever fully and hold it

Passo 04: Levante totalmente a alavanca de intertravamento hidrostático e segure-a.

Step 05: Pull the release handle to the fully open position by one action

Passo 05: Puxe a alavanca de liberação para a posição totalmente aberta por uma ação.

Off/on load release
Control cable
Hydrostatic release
Control cable
Reset lever

Liberação off/on carga
Cabo de controle
Liberação hidrostática
Cabo de controle
Alavanca de reinicialização

