



Project: **OCIMF PROTOTYPE ROPE TESTING**

Client: **Tokyo Seiko Rope Mfg. Co., Ltd.**
Gamagori, Aichi, Japan

Office: **Kobe**

Clients Order Number: -

Date: **29 May 2018**

Order Status: **Complete**

Inspection Dates

First: **19 October 2017**

Final: **29 May 2018**

This certificate is issued to **Tokyo Seiko Rope Mfg. Co., Ltd.** to certify that the undersigned Surveyor to this Society did, at their request, attend their Works at Gamagori, Aichi-Pref. Japan on the date shown above for the purpose of witnessing the prototype production and prototype testing in accordance with the requirements of OCIMF "HAWSER GUIDELINES for Single Point Moorings (SPMS) " First edition-2000.

Braided Fiber Rope, Brand Name. Toughlex V Eight

Particulars of the Prototype test rope are as follows:-

Materials	:	Polyester 50% & Polypropylene 50 %
Construction	:	8 - strand plaited
Size	:	6 and 15

Following scope of inspection carried out during prototype rope production and prototype testing and all found satisfactory.

Scope of Inspection

1. Reviewed manufacture's Quality Assurance Manual QM-9001, Quality Assurance Procedure and Manufacturing specification.
2. Monitored production of the prototype rope in accordance with the Rope Design Specification, Material Specification, Manufacturing Specification and in accordance with OCIMF HAWSER GUIDELINES.
3. Reviewed Material fibre certificates certified by the fibre producer.
4. Reviewed rope manufacturer's receiving inspection records for material fibres.
5. Reviewed rope manufacturer's receiving inspection records for yarn.
6. Made visual inspection and dimensional inspection of prototype ropes including splices.
7. Made construction inspection of prototype ropes.
8. Witness material identification test (Specific gravity test and material solubility test).
9. Witnessed sampling of specimens for rope size 6 and identified with metal tags. The specimens were forward to OCC Corporation for Cyclic Load tests.
10. Reviewed Cyclic Load test results.
11. Witnessed Prototype test for rope size 6 and 15 (dry break test and wet break test).
12. Verified calculations.
13. Reviewed and endorsed "Rope Design Specification" Document No. Hyo-SPM-104
14. Reviewed and endorsed "Manufacturing Specification" Document No. Hyo-SPM-054

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15. Reviewed and endorsed FORM D-1 "YARN SPECIFICATION FORM" of Polyester and Polypropylene. Document No. Hyo-SPM-012 and Hyo-SPM-013 respectively.
16. Reviewed and endorsed FORM D-2 "ROPE QUALITY CONTROL CHECKLIST"
17. Reviewed and endorsed FORM E "INSPECTION CHECKLIST AND REPORT"
18. Reviewed and endorsed FORM F "PROTOTYPE CHECKLIST AND REPORT FORM "
19. Reviewed and endorsed FORM A "OCIMF SPM HAWSER GUIDELINES COMPLIANCE CERTIFICATE"

Remarks: The manufacturer's measuring and testing equipment used were correctly calibrated.



S. Asai and S. Mitsuo
Surveyor to Lloyd's Register Group Limited

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