

RIGPRO



SY Velocita

FINAL SERVICE REPORT

210689– Velocita – ECsix Service –2022.

RIGPRO

As the NTG Mast Group's service division, RigPro manage and maintain spars and rigging, and continue an unmatched level of customer care throughout the lifecycle of the rig. RigPro is the authorised service provider for Southern Spars, Hall Spars, Future Fibres, Marten Spars, Nordic Masts & Omohundro. It is the only truly global rigging service provider with an unparalleled ability to deliver service solutions on any type of rig and rigging and the number one choice for engineered solutions with a strong commitment to having the highest standards of customer care and service.

FUTURE FIBRES

Future Fibres, the leading supplier of composite rigging and a Southern Spars brand, has produced first class rigging systems for both standing rigging and torsional cables for almost 25 years. The company is comprised of a dedicated team of designers, engineers and technicians delivering exceptional technical support to all projects. Future Fibres offers a complete range of fixed, dynamic rigging and furling cable solutions.

SERVICE SUPPORT

Service and maintenance are the foundation of any well-managed yacht, and the rig and rigging are no exception. Service work is performed by a fully trained team of RigPro technicians who have accumulated years of technical expertise and experience.

RigPro has developed an industry leading, global service support infrastructure to provide the highest levels of customer service and ensure its clients maximize the cost effectiveness, longevity, and performance of their composite rigging.

Focused Market and Class Service Programmes takes a proactive approach to maintenance and service to ensure that all inspections, servicing, refits and repairs are carried out to exacting standards and rigorous OEM service protocol.

SERVICE OVERVIEW

YACHT	Velocita
SERVICE TYPE	ECsix Rigging Service
SERVICE JOB NUMBER	210689
PROJECT	ECsix Service 2022

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INSPECTION OBSERVATIONS

Observations detailed below highlight extent of damaged elements as observed during the visual inspection phase.

CABLE TYPE	EXTENT OF DAMAGE OBSERVED (measurements taken from lower end)
3915-D1-P	Braid chafe with exposed rods at 520mm, standard braid wear.
4024-D1-P	Braid chafe with exposed rods at 800mm, standard braid wear.
4024-V1-P	1 broken rod at 2.300mm, standard braid wear.
4024-D2-P	No broken rods, standard braid wear.
4024-D3-P	No broken rods, standard braid wear.
4024-V1-S	No broken rods, standard braid wear.
4024-D2-S	No broken rods, standard braid wear.
4024-D3-S	No broken rods, standard braid wear.

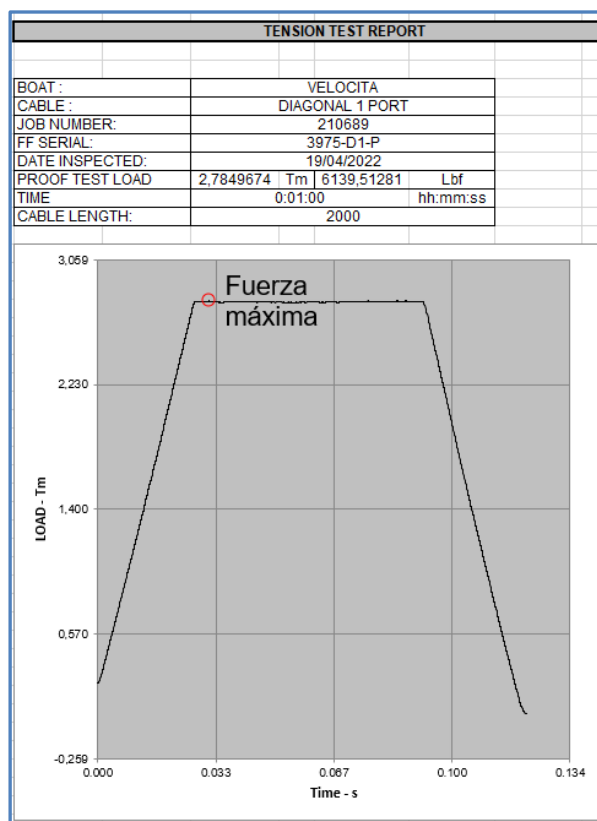
STRUCTURAL CORE INSPECTION

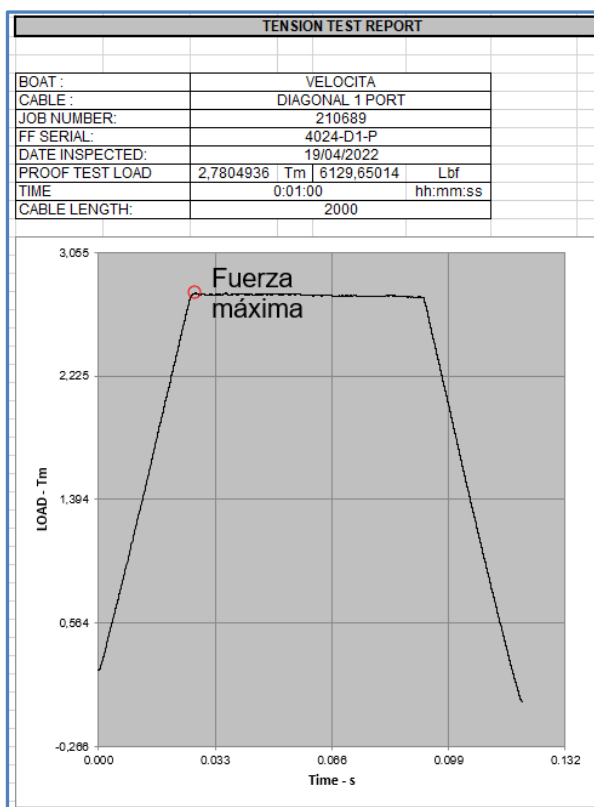
Observations detailed below highlight relevant observations following removal of the external braided cover, subsequent cable core inspection and proof test/measurements as appropriate and where applicable.

CABLE TYPE	TOTAL AS BUILT MULTISTRAND CARBON ROD BUNDLE COUNT	CARBON RODS DAMAGED BEFORE PROOF TEST	RODS DAMAGED AFTER PROOF TEST	TOTAL RODS CONT COMPLIANCE	TOLERANCE	COMMENTS
3915-D1-P	43	0	0	43	0,00%	Cable compliant
4024-D1-P	43	0	0	43	0,00%	Cable compliant

4024-V1-P	73	1	0	72	1,37%	Cable compliant
4024-D2-P	26	0	0	26	0,00%	Cable compliant
4024-D3-P	47	0	0	47	0,00%	Cable compliant
4024-V1-S	75	0	0	75	0,00%	Cable compliant
4024-D2-S	26	0	0	26	0,00%	Cable compliant
4024-D3-S	47	0	0	47	0,00%	Cable compliant

TEST REPORT





MEASUREMENTS

Measurements detailed below confirm rigging lengths against comparison original supply as-built specification. The process allows for the detection of any structural changes.

MAIN MAST (end of fitting to end of fitting)			
CABLE TYPE	LENGTH AS BUILT SUPPLY	CURRENT LENGTH	COMMENTS
3915-D1-P	5.561mm	5.561mm	Cable Compliant
4024-D1-P	5.561mm	5.561mm	Cable Compliant

NON-DESTRUCTIVE TEST OF METAL PARTS

All associated metal interfaces parts been subject to NDT (non-destructive testing), as per standard OEM service protocol, have been found in serviceable condition.

For more detailed information, please refer to NDT report ref. M-6022-FF-Velocita. As conclusion of the NDT report the turnbuckle adjustors D2-P/S were classified as "R" renew/replace. These adjustors have been replaced for two new units as original supply.

BRAIDED COVERS

The ECsix braided covers have been upgraded to the Texten Black.

INSPECTION CONCLUSIONS & RECOMMENDATIONS

This report concludes the partial completion of the ECsix rigging service for SY Velocita, in accordance with standard OEM service protocol.

Visual inspection and proof test

After visual inspection and Carbon Rod count (before and after proof test), we can confirm the adequate structural integrity of all the ECsix cables serviced.

4024-D2-P: Small crack at the upper end of the resin cone has been detected. As consequence the cone has been remoulded to recovery the initial structural integrity.

We hereby confirm, to the best of our ability and in accordance with stated OEM service protocol implemented, that SY Velocita ECsix rigging is fit for continued performance in the capacity originally designed. Please refer to the accompanying recommended ECsix rigging service & maintenance programme for further consultation.

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