



# TEST CERTIFICATE

No. 22/XH/01/1512/1

RINA file No.: XH/2022/XH/01/1512

Manufacturer or Supplier: D. KORONAKIS S.A. - 56 GRAVIAS STR. Piraeus - GREECE

Work Order No.: -

Purchaser: MINOAN LINES SHIPPING S.A. - 17, 25TH AUGUST STR., Crete Heraklion - GREECE

Order No.: - Intended for: IMO: 9220330  
RI88035 - KNOSSOS PALACE

THIS IS TO CERTIFY that the items, particulars of which are given below, have been tested and found to be in compliance with the requirements of RINA Rules for the Classification of Ships.

## Description of material:

**Fourteen (14) Galvanized Steel Wire Ropes with Ø: 1 X 16 mm, 1 X 18 mm & 12 X 22 mm with Lengths: 1 X 41 m, 1 X 42 m, 6 X 88 m & 6 X 91 m, respectively.**

- Diameter (mm): 16; Construction: 19X7; Strands: 19; Wires per strand: 7; Lay: RHRL; Zinc coating grade: (Quantity: 1) Class B; Minimum tensile strength of the wires (N/mm<sup>2</sup>): 1960; Minimum breaking strength (kN): 165; Mass of the rope (kg): 46; Length (m): 41

- Diameter (mm): 18; Construction: 19X7; Strands: 19; Wires per strand: 7; Lay: RHOL; Zinc coating grade: (Quantity: 1) Class B; Minimum tensile strength of the wires (N/mm<sup>2</sup>): 1960; Minimum breaking strength (kN): 208; Mass of the rope (kg): 58; Length (m): 42

- Diameter (mm): 22; Construction: 35X7; Strands: 35; Wires per strand: 7; Lay: RHOL; Zinc coating grade: (Quantity: 6) Class B; Minimum tensile strength of the wires (N/mm<sup>2</sup>): 1960; Minimum breaking strength (kN): 310; Mass of the rope (kg): 192; Length (m): 88

- Diameter (mm): 22; Construction: 35X7; Strands: 35; Wires per strand: 7; Lay: RHOL; Zinc coating grade: (Quantity: 6) Class B; Minimum tensile strength of the wires (N/mm<sup>2</sup>): 1960; Minimum breaking strength (kN): 310; Mass of the rope (kg): 199; Length (m): 91

## Inspection and test carried out:

- The calibration status and adequacy of the test measurements devices used have been satisfactorily verified.
- Sampling
- Review of certificate of approval of the Manufacturer
- Visual examination and check of the diameter and construction
- Torsion test and coiling test on individual wires
- Breaking test on full size specimen (breaking load of Ø: 16 mm at 178.04 kN, of Ø: 18 mm at 208.15 kN and Ø: 22 mm at 323.61 kN)
- Check of the uniformity and continuity of the zinc coating

Notes: None

Markings: 2022/XH/01/1512



Testing date: 18Apr2022

Enclosures 16 mm & 18 mm BREAKING LOAD.pdf  
22 mm BREAKING LOAD.pdf  
TESTING MACHINE CALIBRATION CERTIFICATE\_03.05.2023.pdf  
22 mm MILL TEST CERTIFICATE.pdf  
16 mm MILL TEST CERTIFICATE.pdf  
PURCHASE ORDER.pdf  
18 mm MILL TEST CERTIFICATE.pdf

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Issued at: Piraeus

on: 09May2022



This is an electronically signed document and does not require a handwritten signature.

Dimosthenis Axiotis

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