



Name and address of manufacturer

Manho Rope & Wire Ltd. 31, YUSANGONGDAN 8-GIL, YANGSAN-SI, GYEONGSANGNAM-DO, KOREA

MOORING LINE CERTIFICATE

Completed by the manufacturer for each line supplied and verified by an independent inspector where required by the user. Summarises the performance and design of the actual line supplied as performance indicators and other supporting documentation and information for the design range.

Demonstrates that the product has been manufactured, tested and documented following the ISO Standard

We hereby confirm that the above mentioned product was released for delivery after inspection by a competent person

Manufactured according to :

ISO 9554:2010(Fiber ropes-General specifications) & ISO 10572:2011(Mixed polyolefin fiber ropes)

OCIMF

Tested according to :

ISO 2307:2010 : Fiber ropes-Determination of certain physical and mechanical properties

Line supply information

| | | | |
|-------------------------|---|---------------|----------------|
| Ship design MBL | : 49,00 TON | Cert No. : | BUS2406991/1 |
| NSBF (if tested) | : Not requested | Order No. : | 240605-034-09 |
| Diameter | : 56 MM | Customer : | FOR STOCK |
| Length | : 220 MTR | Vessel Name : | |
| Jackted | : <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | PO NO. : | MH 240605 KYLO |
| Splice type and design | : Manho spliced method | L/C NO. : | === |
| Material type and grade | : Polypropylene | | |
| Product name | : HI-MAN ROPE | | |
| Line construction | : 8-Strand | | |
| Rotating | : <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | |

Performance indicators

OCIMF MEG4 : Demonstrating that the product had been manufactured, tested and documented following the guidelines in appendix B of the Mooring Equipment Guidelines, Fourth Edition(2018)

| | | | | | |
|---------------------------------|----------------|---------|----------------|-----|-----|
| Line Design Breaking Force | : 50,3 TON | | | | |
| Line Linear Density | : 1,42 kg/m | | | | |
| Load Bearing Linear Density | : 1,42 kg/m | | | | |
| Line Tenacity | Measured | Maximum | | | |
| | : 35,41 T/kg/m | === | T/kg/m | | |
| | D/d Ratio : 5 | | D/d Ratio : 10 | | |
| Angled Break Force | Under testing | | Under testing | | |
| Angled Endurance | Under testing | | Under testing | | |
| Axial Compression Ristance(ACR) | Under testing | | | | |
| Test LDBF(%) | 10 | 20 | 30 | 40 | 50 |
| Average Immediate Strain(e) | 1,7 | 2,8 | 3,7 | 4,8 | 6,0 |

| | | | | | | |
|---------------------------|---------------|-----|------|------|------|------|
| | -20°C | 0°C | 20°C | 40°C | 60°C | 80°C |
| Temperrature % BF at 20°C | Under testing | | | | | |

Line description :

- HI-MAN 8-st. 56mm×220m with 1.8M eyes on both ends

