

Mooring tail base design certificate TS CERT 7805 E

General information

Issue date:

09.07.2024

Expiry date:

08.07.2029

Line manufacturer

Wilhelmsen Ships Service

Independent inspection agency:

DNV

Line design designation:

Timm Master 12 SBATM.

Timm Master 12

Material type and grade:

B5 (PP+HDPE) and HT PES

Line construction:

12x1 – braided/plaited

Jacketed:

Design range:

32 mm - 120 mm

Rotating:

No No

DNV Type Approval:

Base design performance indicators

Performance Indicators	Smallest Diameter			Largest Diameter	
Diameter	Design: 32mm	Measured: 36mm	1	Design: 120mm	Measured: 170,5mm
Tail Design Break Force (TDBF)	20,7 t			278,4 t	
Tail Linear Density (TLD)	0,562 kg			8,507 kg	
Load Bearing Linear Density (LBLD)	0,540 kg			8,307 kg	
Tail Tenacity (TT)	38,41 t/kg/m			33,51 t/kg/m	
Splice type	TM 12 (6x2x5) 2G				
Maximum Line Tenacity (MLT)	38,41 t/kg/m				
Dynamic Stiffness (Ksh, Kex)	Sheltered (Ksh):	18,031xTDBF			
	Exposed (Kex):	22,986xTDBF			
Tension-tension endurance (CTF)	CTF 50%:	205 233 732 cycles			
	CTF 20%:	19 934 162 223 361 cycles			
	%TDBF:10	%TDBF:20	%TDBF:30	%TDBF:40	%TDBF:50
Average Immediate Strain* (e)	1,09%	2,26%	3,36%	4,38%	5,35%

^{*}Performance indicators are tested on samples: 32 mm for mooring tail

This MTBD Certificate is issued based on DNV Verification Statement no.: N142W8T9, N142WD6S, N142WKDC, N142XDC5

Name and address of manufacturing facility:

Wilhelmsen Ships Service TIMM SLOVAKIA s.r.o.

Nozdrkovce 3140/37, 911 04 Trenčín, Slovakia

Independent inspector:

Henrich Illáš

Henrich Illáš

Completion date:

30.05.2024

Address of independent inspector:

DNV, Rolníckej Školy 1519, 94525 Komárno, Slovak Republic

Base design testing information

Name and address of test facility:

Wilhelmsen Ships Service TIMM SLOVAKIA s.r.o.

Nozdrkovce 3140/37, 911 04 Trenčín, Slovakia

Completion date:

30.05.2024

Independent inspector:

Address of independent inspector:

DNV, Rolníckej Školy 1519, 94525 Komárno, Slovak Republic

Base design sample and product documentation reviewed

Independent inspector:

Henrich Illáš

Date of review:

09.07.2024

Base design sample manufacturing report Base design sample manufacturing ITP

Design specification

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Base design sample test report

 \bigvee Material test report

Manufacturer's discard and

Procedures for testing and inspection of

retired mooring lines

Splicing instructions

 \checkmark inspection criteria

