



CCR. 12.0 - MOORING WINCHES - BREAK RENDERING TEST

Date : 10/08/2018
 Page : 1 of 1
 Made by : QHSE
 Approved by: MD
 Rev No : 0

Mooring Equipment Safe Working Load

Winch No	Winch Location	Min SWL-Mooring Equipments	Break Rendering Load Of Winches	60% MBL	80% MBL	Max MBL Of Mooring Ropes
Winch No 01	Fwd Winch Port Side	132	79	79	106	132
Winch No 02	Fwd Winch Stbd Side	132	79	79	106	132
Winch No 03				0	0	0
Winch No 04				0	0	0
Winch No 05				0	0	0
Winch No 06				0	0	0
Winch No 07				0	0	0
Winch No 08				0	0	0
Winch No 09				0	0	0
Winch No 10				0	0	0
Winch No 11				0	0	0
Winch No 12				0	0	0

Notes On Selection Of Max MBL Of Mooring Ropes: -

- 1 MBL of Mooring Ropes Maintained Onboard To Be **SAME OR LESS Than The MIN SWL** Of Mooring Equipments. Mooring Equipments OnBoard Include Mooring Winch, Bollards, Fair leads, Mooring Winches Etc.
- 2 Mooring Winches To Be Tested And Marked With A Brake Rendering Load (BRL) BRL Should Be Between 60% and 80% of MBL Of Mooring Ropes Used Onboard.
- 3 Master's To Enter Ship Specific Data In YELLOW Columns And Check BRL Of Winches Displayed In 60% and 80% **As Long As the MBL Of Ropes Is Same As MIN SWL OF MORING EQUIPMENT AND ACTUAL PRESENT BRL OF WINCHES IS BETWEEN 60% AND 80% OF MBL AS CALCULATED IN COLUMNS.** If Vessel Does Not Comply With Above Master To Immediately Inform QHSE.

To be completed annually and forwarded by Email & filed as hard copy on board in CCR 12.0 folder

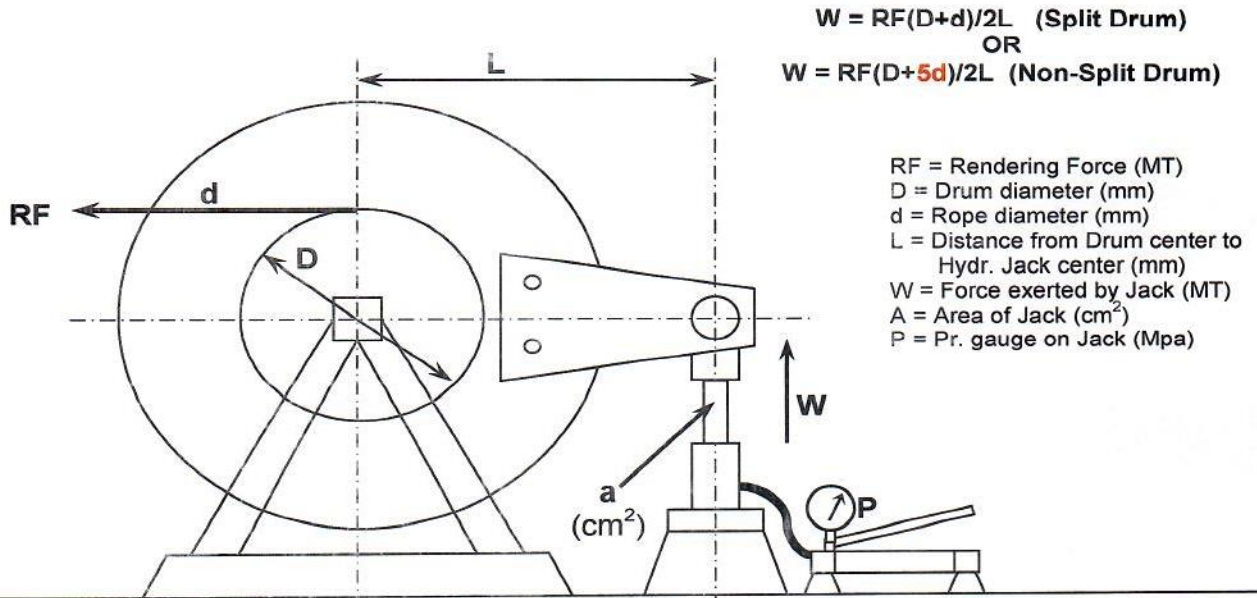


M. 2.50 - MOORING WINCHES BRAKE HOLDING TEST

Date: 01/10/2019
 Page: 01 of 01
 Made by: QHSE
 Date: 01/10/2019
 Made by: QHSE
 Approved by: GM
 Rev. No: 01

Vessel Name: M.T. BAHAMA BLUE

Date: 30-Dec-20



Winch No.	RF (MT) Rendering Force	D (mm) Winch Drum Dia	d (mm) Rope dia	L (mm)	a (cm ²) Area of Hydr. Jack	Drum Type (S / N) .Split or .Non-Split	W* (tonnes)	P (kgf / cm ²) P = W*1000/a	P _(actual) (kgf / cm ²)	RF _(actual) (MT)
									Actual values at which Brakes Rendered	
1	8	400	12	440	26.56	S	3.7455	141.02	140	8
2	8	400	12	440	26.56	S	3.7455	141.02	140	8
3										
4										
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REMARKS: Actual Kg/cm² will be the last value after adjustment of Brake Screw and it will be very close to the value of "P" in column 9.
 Corresponding RF will be obtained by reverse Calculation using value of actual kgf/cm² from last column.
 Pressure conversion: 1MPa = 10Bar = 10.1971Kg/cm² = 9.869232Atm = 145.04psi

CAPT. LORETO CARACENA S
 MASTER

NICKO MUNAR
 CHIEF ENGINEER

N/T BAHAMA BLUE
 CHIEF OFFICER
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 CHIEF OFFICER