

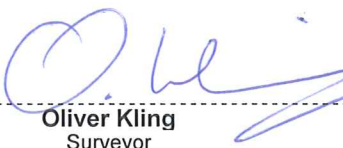
VISUAL INSPECTION AND PRESSURE TEST CERTIFICATE

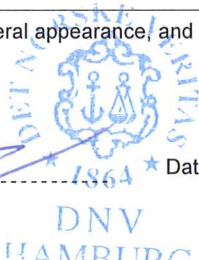
COPY

MANUFACTURER HS Cooler GmbH, Wittenburg / Germany	MANUFACTURER'S WORKS NO. A09-8039A + B
PURCHASER Vestergaard Marine A/S.	PURCHASER'S ORDER NO. 30046
TYPE OF VESSEL AND ITEM NO. two(2) off Heat Exchanger, type KS12-BCN-111 L1250	
CODE/REGULATIONS/SPECIFICATIONS DNV Rules Pt.4 Ch. 7	Additional specification None

FINAL VISUAL INSPECTION

The vessel has been visually inspected for workmanship and general appearance, and found acceptable in accordance with the above mentioned Code/Regulation/specification.


 Date: 2009-10-12
 Oliver Kling
 Surveyor

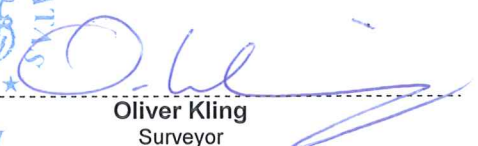

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 HAMBURG

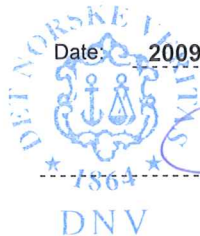
PRESSURE TESTING	Shell side	Tube side
	Test pressure	24 bar
Holding time	0,5 hours	0,5 hours
Test media	oil	oil
Test pressure of reinforcement plates	bar	bar
Holding time	hours	hours
Test media		

Remarks
 Heat Exchangers made acc. to drawing KS12-BCN-111 covered by TA P-12842 valid until 2012-12-31
 Not to be used for NH3.
 Marking:
 ESN-09-13732
 TP 24 bar / 15 bar
 10 N.V. 09

During the pressure testing the vessel showed no signs of deformation or leakage.

Date: _____ Date: 2009-10-12

Manufacturer _____

 Oliver Kling
 Surveyor


 DNV
 HAMBURG

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



CERTIFICATE FOR
WELDED PRESSURE VESSEL

Copy

Manufacturer HS Cooler GmbH, Wittenburg / Germany	Works order no. A09-7957
Type designation Two (2) off Heat Exchanger, type KS12-BCN-111 L1250	Serial No. A09-7957A, -B
Ordered by Vestergaard Marine A/S	Order No. 30043
Intended for (Yard, Ship, Rig, Installation) Not further specified marine application.	Yard No. or Signal letters None.

THIS IS TO CERTIFY that the welded pressure vessel described below, has been built and tested in accordance with the requirements of DNV Rules for Classification

Type of vessel and intended service on board	Class	Internal diameter	Design pressure					
pressure vessel type KS12-BCN-111 L1250	III	133,3 mm	Shell side	Tube side				
			16 bar	10 bar				
Design material temperature°	Material grade							
Shell	Tube side	Shell	Heads	Reinforcements	Tubeplate	Tubes		
Max	Min	Max	Min	P235TR2	CuSn5Zn5 Pb5	n.a.	CW307G	CuNi10Fe1 Mn
130	-10	100	-10					

Hydraulic test pressure **oil / 0,5 h** Shell side **24 barg** Tube side **15 barg**

- pneumatic leakage test with 14,4/ 9 barg
- Operating medium: MDO/ water

The welded pressure vessel was marked: **ESN-09-13323**
On: **shell TP 24 bar / 15 bar 08 N.V. 09**

Remarks:
The following items, which are to be surveyed after the installation, are not included in the certificate:
None.

Certificates and drawings with dates of approval, see page 2.

Place **Hamburg**
Date **2009-08-27**

When this certificate is issued on the basis of the manufacturer's Quality System, and a Manufacturing Survey Arrangement (MSA) which gives the manufacturer permission to complete this certificate form, mark x in the corner below.

If marked x, see page 2.

Rafal Maliszewski
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.