



K-MARINE ENGINEERING PTE LTD

4 PENJURU PLACE, #01-17 SINGAPORE 608782

Tel. : +65 6250 2501 Fax : +65 6250 4839

Email : sales@kmarine.com.sg/kmarine@singnet.com.sg

CUSTOMER ORDER: -

JOB RECORD

CUSTOMER		VESSEL	M.V. "NORTHERN VIVACITY"	JOB NO.	1746
ITEM	WATER BALLAST TANK SIDE SHELL LONGITUDINAL CRACKED PORTION X 5 LOCATIONS (WBS3P X 1, WBS4S X 2 & WBS4P X 2)	CLASS	D.N.V.	DATE	07/02/2023
MAKE/MODEL	-	S. NO.	-	RECORDED BY	RAO/BOBBY LAI
COMPONENT	SIDE SHELL LONGITUDINALS CRACKED PORTIONS WITH ASSOCIATED INTERNAL MEMBERS REPAIR BY NEW INSERTIONS	STATUS	WBS3P AT LONGI. L40 I.W.O. FR. 136 & FR. 137 BEFORE, DURING & AFTER REPAIR	DIMENSIONS	N.A.
INSTRUMENT	N.A.			I.D. NO.	N.A.



NOTE : STEEL GRADE ABS/A + ABS/EH36 INSERTIONS - BULB FLAT (HP220 X 12T X 300L X 1 OFF) + PLATE BRACKET (16T X 750L X 615W X 1 OFF) X 1 LOCATION.

**K-MARINE ENGINEERING PTE LTD**

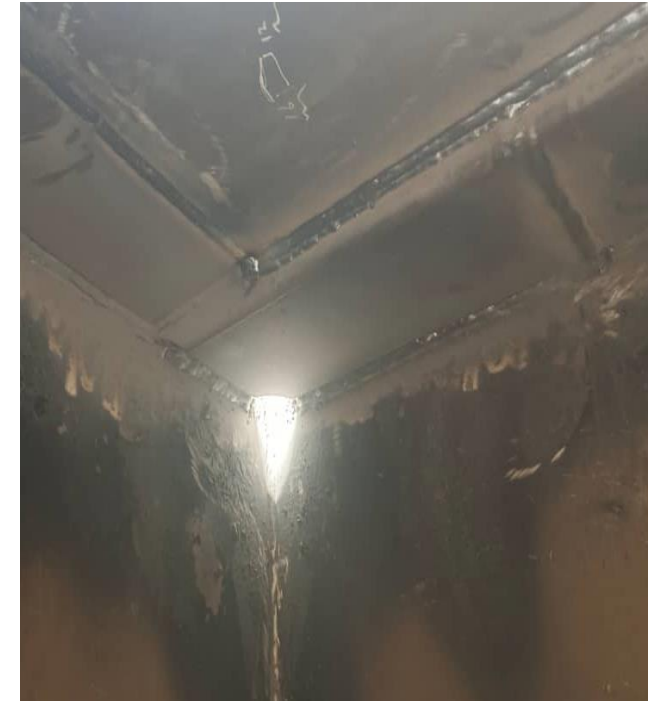
4 PENJURU PLACE, #01-17 SINGAPORE 608782

Tel. : +65 6250 2501 Fax : +65 6250 4839

Email : sales@kmarine.com.sg/kmarine@singnet.com.sg

CUSTOMER ORDER: -**JOB RECORD**

CUSTOMER		VESSEL	M.V. "NORTHERN VIVACITY"	JOB NO.	1746
ITEM	WATER BALLAST TANK SIDE SHELL LONGITUDINAL CRACKED PORTION X 5 LOCATIONS (WBS3P X 1, WBS4S X 2 & WBS4P X 2)	CLASS	D.N.V.	DATE	07/02/2023
MAKE/MODEL	-	S. NO.	-	RECORDED BY	RAO/BOBBY LAI
COMPONENT	SIDE SHELL LONGITUDINALS CRACKED PORTIONS WITH ASSOCIATED INTERNAL MEMBERS REPAIR BY NEW INSERTIONS	STATUS	WBS4S AT LONGI. L30.2 I.W.O. FR. 112 & FR. 113 BEFORE, DURING & AFTER REPAIR	DIMENSIONS	N.A.
INSTRUMENT	N.A.			I.D. NO.	N.A.

**NOTE : STEEL GRADE ABS/A + ABS/EH36 INSERTIONS -****BULB FLAT (HP220 X 12T X 400L X 1 OFF) + PLATE BRACKET (16T X 450L X 450W X 1 OFF)****+ FLAT BAR BRACKETS (12T X 150B X 350W X 1 OFF & 12T X 150B X 1,050W X 1 OFF) X 1 LOCATION.**



K-MARINE ENGINEERING PTE LTD

4 PENJURU PLACE, #01-17 SINGAPORE 608782

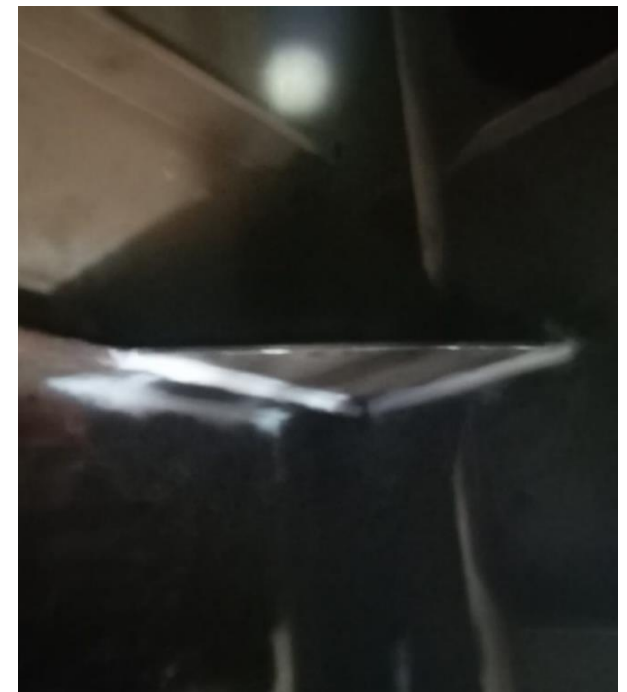
Tel. : +65 6250 2501 Fax : +65 6250 4839

Email : sales@kmarine.com.sg/kmarine@singnet.com.sg

CUSTOMER ORDER: -

JOB RECORD

CUSTOMER		VESSEL	M.V. "NORTHERN VIVACITY"	JOB NO.	1746
ITEM	WATER BALLAST TANK SIDE SHELL LONGITUDINAL CRACKED PORTION X 5 LOCATIONS (WBS3P X 1, WBS4S X 2 & WBS4P X 2)	CLASS	D.N.V.	DATE	07/02/2023
MAKE/MODEL	-	S. NO.	-	RECORDED BY	RAO/BOBBY LAI
COMPONENT	SIDE SHELL LONGITUDINALS CRACKED PORTIONS WITH ASSOCIATED INTERNAL MEMBERS REPAIR BY NEW INSERTIONS	STATUS	WBS4P AT LONGI. L40 I.W.O. FR. 927 & FR. 928 BEFORE, DURING & AFTER REPAIR	DIMENSIONS	N.A.
INSTRUMENT	N.A.			I.D. NO.	N.A.



NOTE: STEEL GRADE ABS/A + ABS/EH36 INSERTIONS - BULB FLAT (HP220 X 12T X 300L X 1 OFF) + PLATE BRACKET (16T X 450L X 450W X 1 OFF) X 1 LOCATION.

**K-MARINE ENGINEERING PTE LTD**

4 PENJURU PLACE, #01-17 SINGAPORE 608782

Tel. : +65 6250 2501 Fax : +65 6250 4839

Email : sales@kmarine.com.sg/kmarine@singnet.com.sg

CUSTOMER ORDER: -**JOB RECORD**

CUSTOMER		VESSEL	M.V. "NORTHERN VIVACITY"	JOB NO.	1746
ITEM	WATER BALLAST TANK SIDE SHELL LONGITUDINAL CRACKED PORTION X 5 LOCATIONS (WBS3P X 1, WBS4S X 2 & WBS4P X 2)	CLASS	D.N.V.	DATE	07/02/2023
MAKE/MODEL	-	S. NO.	-	RECORDED BY	RAO/BOBBY LAI
COMPONENT	SIDE SHELL LONGITUDINALS CRACKED PORTIONS WITH ASSOCIATED INTERNAL MEMBERS REPAIR BY NEW INSERTIONS	STATUS	WBS4P AT LONGI. L40 I.W.O. FR. 928 & FR. 110 BEFORE, DURING & AFTER REPAIR	DIMENSIONS	N.A.
INSTRUMENT	N.A.			I.D. NO.	N.A.



NOTE: STEEL GRADE ABS/EH36 INSERTION - PLATE BRACKET ONLY (16T X 450L X 450W X 1 OFF) X 1 LOCATION.



K-MARINE ENGINEERING PTE LTD

4 PENJURU PLACE, #01-17 SINGAPORE 608782

Tel. : +65 6250 2501 Fax : +65 6250 4839

Email : sales@kmarine.com.sg/kmarine@singnet.com.sg

CUSTOMER ORDER: -

JOB RECORD

CUSTOMER		VESSEL	M.V. "NORTHERN VIVACITY"	JOB NO.	1746
ITEM	WATER BALLAST TANK SIDE SHELL LONGITUDINAL CRACKED PORTION X 5 LOCATIONS (WBS3P X 1, WBS4S X 2 & WBS4P X 2)	CLASS	D.N.V.	DATE	07/02/2023
MAKE/MODEL	-	S. NO.	-	RECORDED BY	RAO/BOBBY LAI
COMPONENT	SIDE SHELL LONGITUDINALS CRACKED PORTIONS WITH ASSOCIATED INTERNAL MEMBERS REPAIR BY NEW INSERTIONS	STATUS	WBS4S AT LONGI. L40 I.W.O. FR. 920 & FR. 921 BEFORE, DURING & AFTER REPAIR	DIMENSIONS	N.A.
INSTRUMENT	N.A.			I.D. NO.	N.A.



NOTE: STEEL GRADE ABS/A + ABS/EH36 INSERTIONS - BULB FLAT (HP220 X 12T X 300L X 1 OFF) + PLATE BRACKET (16T X 750L X 615W X 1 OFF) X 1 LOCATION.



K-MARINE ENGINEERING PTE LTD

4 PENJURU PLACE, #01-17 SINGAPORE 608782

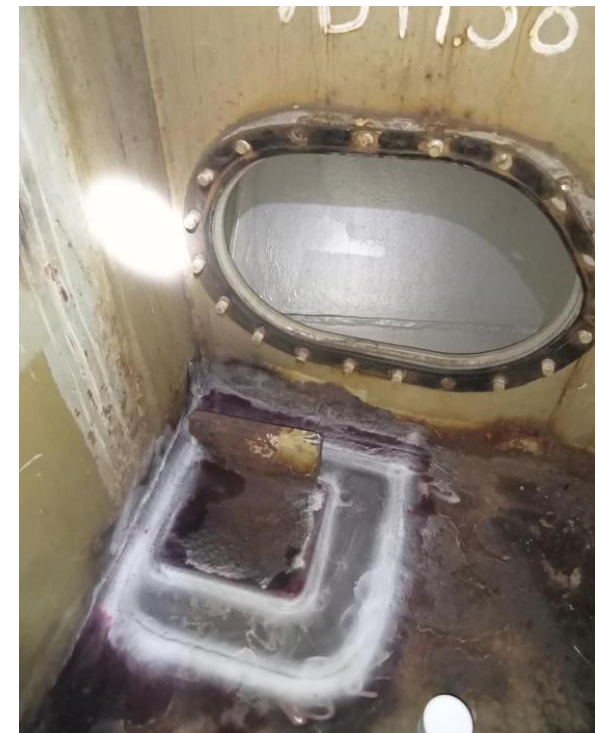
Tel. : +65 6250 2501 Fax : +65 6250 4839

Email : sales@kmarine.com.sg/kmarine@singnet.com.sg

CUSTOMER ORDER: -

JOB RECORD

CUSTOMER		VESSEL	M.V. "NORTHERN VIVACITY"	JOB NO.	1746
ITEM	VOID TANK 11.38P TOP PLATE WASTED PORTION X 1 LOCATION	CLASS	D.N.V.	DATE	07/02/2023
MAKE/MODEL	-	S. NO.	-	RECORDED BY	RAO/BOBBY LAI
COMPONENT	TOP PLATE WASTED PORTION REPAIR BY NEW STEEL INSERTION	STATUS	TOP PLATE I.W.O. FR. 55 & FR. 56 BEFORE, DURING & AFTER REPAIR	DIMENSIONS	N.A.
INSTRUMENT	N.A.			I.D. NO.	N.A.



NOTE: STEEL GRADE ABS/EH36 INSERTION - 10T X 400L x 450W X 1 OFF X 1 LOCATION.