



FINAL REPAIR AND CONDITION SURVEY REPORT

Vessel/ Installation	: XXXXXXXXXXXXXX	Location	: Mykolaiv, Ukraine
Customer	: XXXXXXXXXXXXXX Management Pte Ltd	Date	: 18-20/12/2021
Job number	: 1	Client Ref No	: 1/TSM form No 062

Description of Job:

The cylinder cover was inspected in presence of the ship's C/E and found stuck aft fuel valve injector holder (part 2) inside fuel valve pocket of cylinder cover. On the surface of the fuel valve pocket pipes (part 210) has observed hammer marks, pictures were taken and will be attached to the present report. The C/E was informed that the fuel valve holder will be destroyed. Permission was granted by C/E for destroying the stuck fuel valve holder. At 18.12.2021 cylinder cover was loaded to the shore truck by the ship's provision crane. A cylinder cover was delivered to the shore workshop for repair. The fuel valve holder was cut and drilled out; it was found that material at the outer side of fuel valve holder was hardened by the previous action taken by the ship's crew. The two drills cut out 5 mm on a depth of 70 cm of internal surface and was not able to cut outer side because of hardened material. The drill cutting edge was burned and excessively worn out. At second attempt was fabricated extracting tool, it was welded to the fuel valve holder and hydraulic pressure 4000 bar was applied for extraction. The valve holder does not moved and not allowed to be extracted from the cover. At 17:00 of 18.12.21. all action was terminated and decided to drill out the stuck valve holder by using a horizontal/radial drilling machine on the next day.

At the morning time 19.12.2021 cylinder cover was fixed in the horizontal/radial drilling machine and extracting jobs continued. The internal surface edge cutting tool also used.

At 13:00 stuck fuel valve holder successfully drilled out from the cylinder cover.

A crack test has been carried out on the area around aft and fwd fuel valves surface from the combustion side. It is confirmed no any cracks were found. Pictures will be attached with a final report too. Fuel valves seating place was lapped by utilizing borrowed ships' tools. The grinding mandrel (plate 90151-0206, 058) was found worn out and it is highly recommended to replace it. The grinding mandrel is not able to restore the seating place under a correct angle. It will cause that the combustion gases enter to fuel valve bore in the cylinder cover which leads to blockage of the fuel valve holder in the cylinder cover. It found that the lower part of fuel valve holder was damaged earlier as the fault point surface was completely covered by carbon deposit. The remained parts of fuel valve holder were returned to the vessel for further investigation if required. Cylinder cover was delivered on board and presented to the C/E at 1:45 - 2:50 local Ukrainian time, 20.12.21. Job completed.

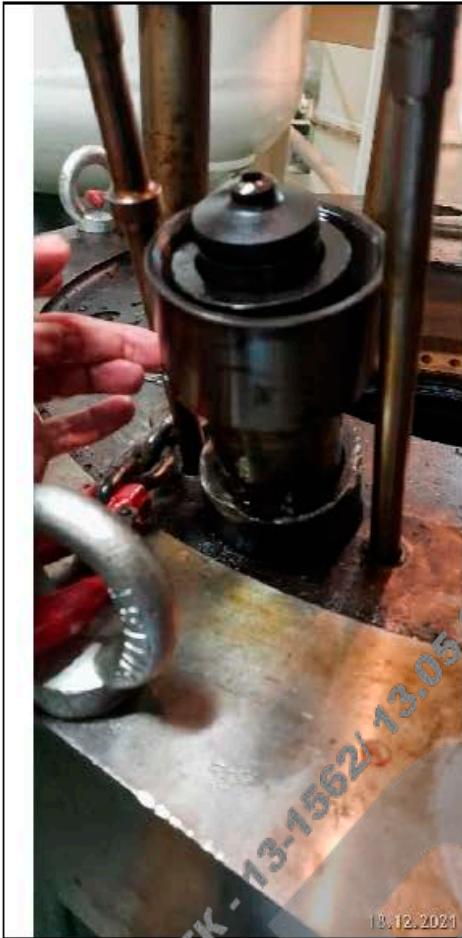
Superintendent: ~~Oleksandr BUDNOV~~

Ship visit 18.12.2021





PHOTO REPORT



18.12.2021

Damage inspection



18.12.2021

Damage inspection



18.12.2021

Damage inspection



18.12.2021

Damage inspection





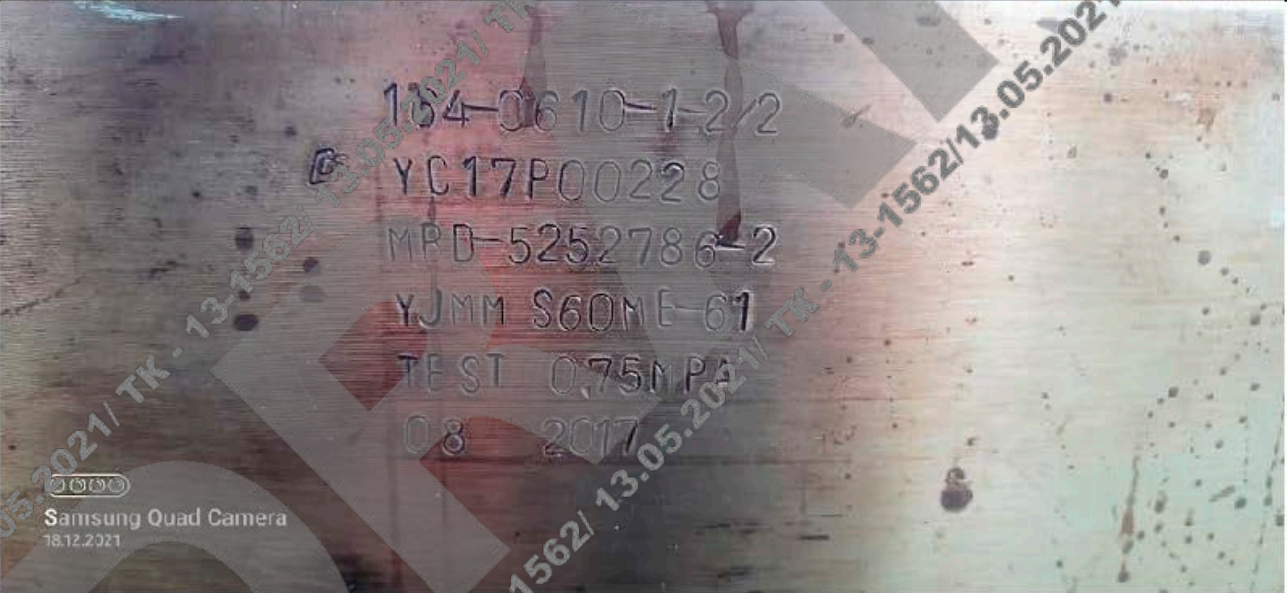
Superintendent CISS GROUP

Superintendent CISS GROUP



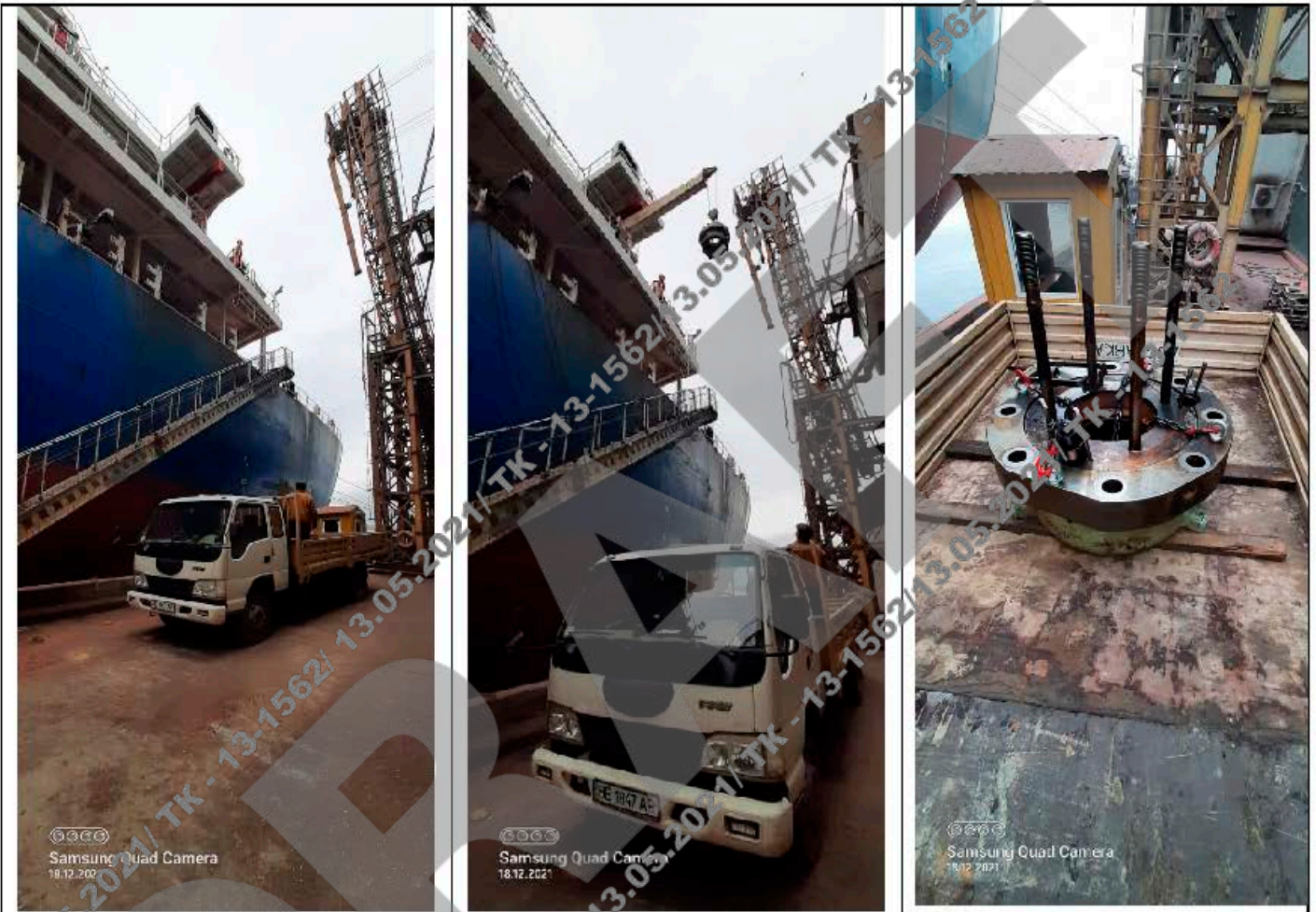
Superintendent CISS GROUP





Cylinder cover serial number and marking





Cylinder cover loading process on truck 18.12.2021





Cylinder cover delivered to workshop



Samsung Quad Camera
18.12.2021

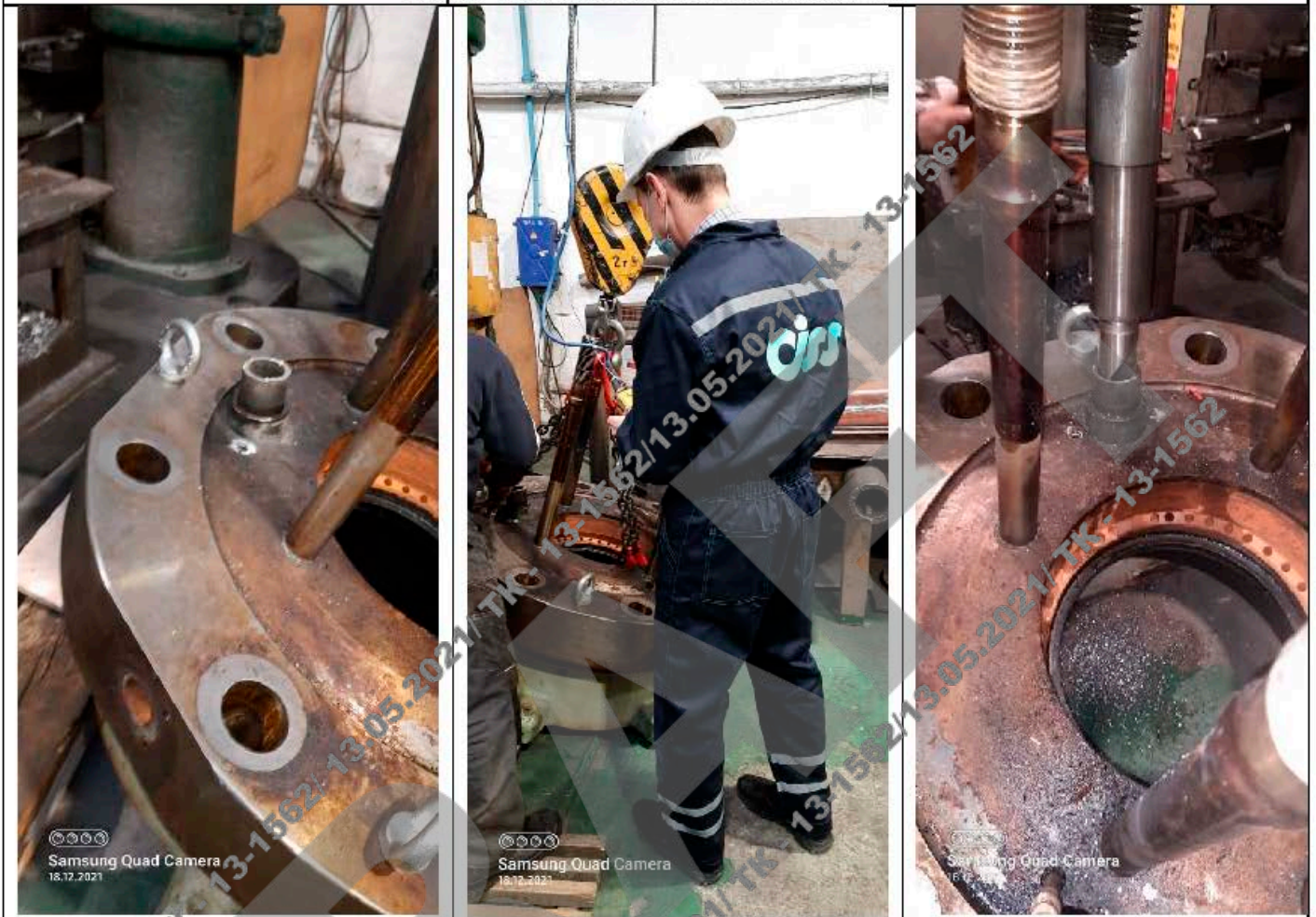


Samsung Quad Camera
18.12.2021





Repair works commenced at 18.12.2021



13.05.2021/TK-13-1562/TK-13-1562/TK-13-1562/TK-13-1562





Welded additional pipe to make a wrench lever

Drill's bore worn out



Samsung Quad Camera
16.12.2021





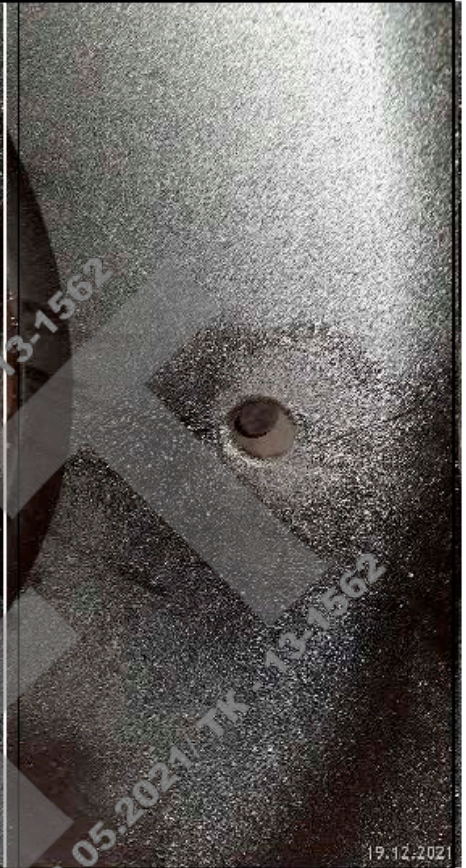
Repair continued at 19.12.2021



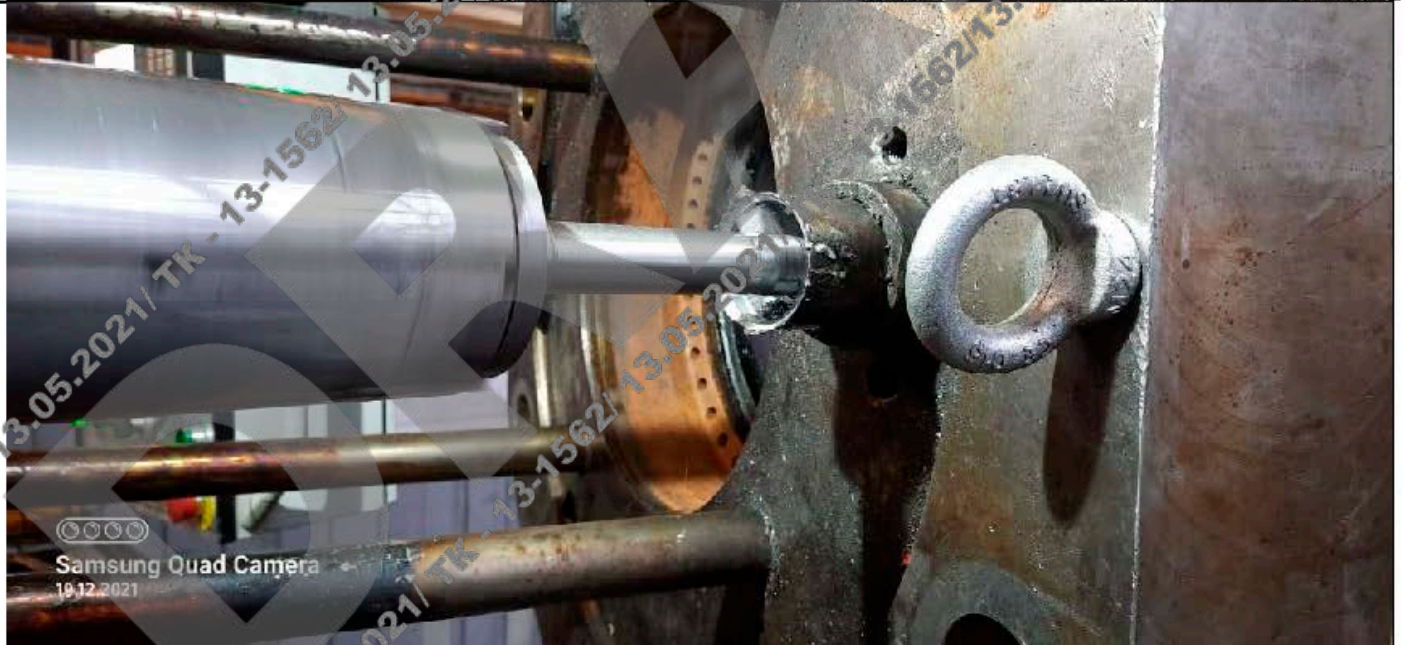
19.12.2021



19.12.2021



19.12.2021

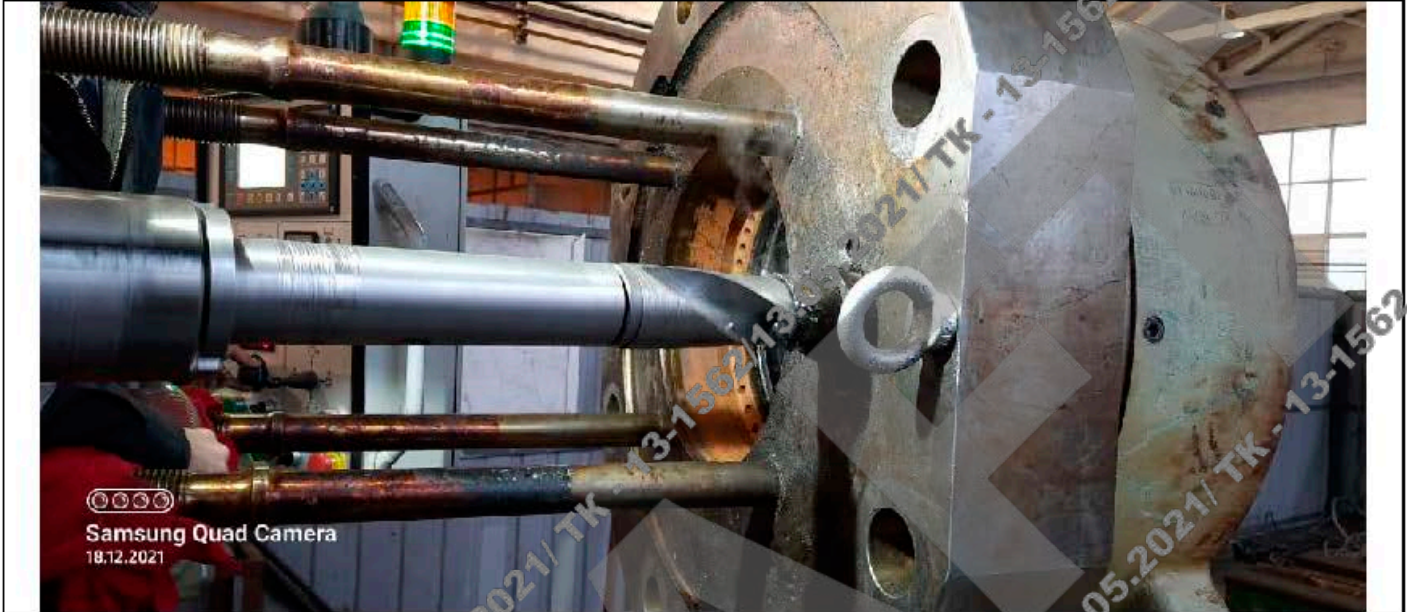


Samsung Quad Camera
19.12.2021





Internal surface edge cutting tool used



Second bore drill excessively worn out



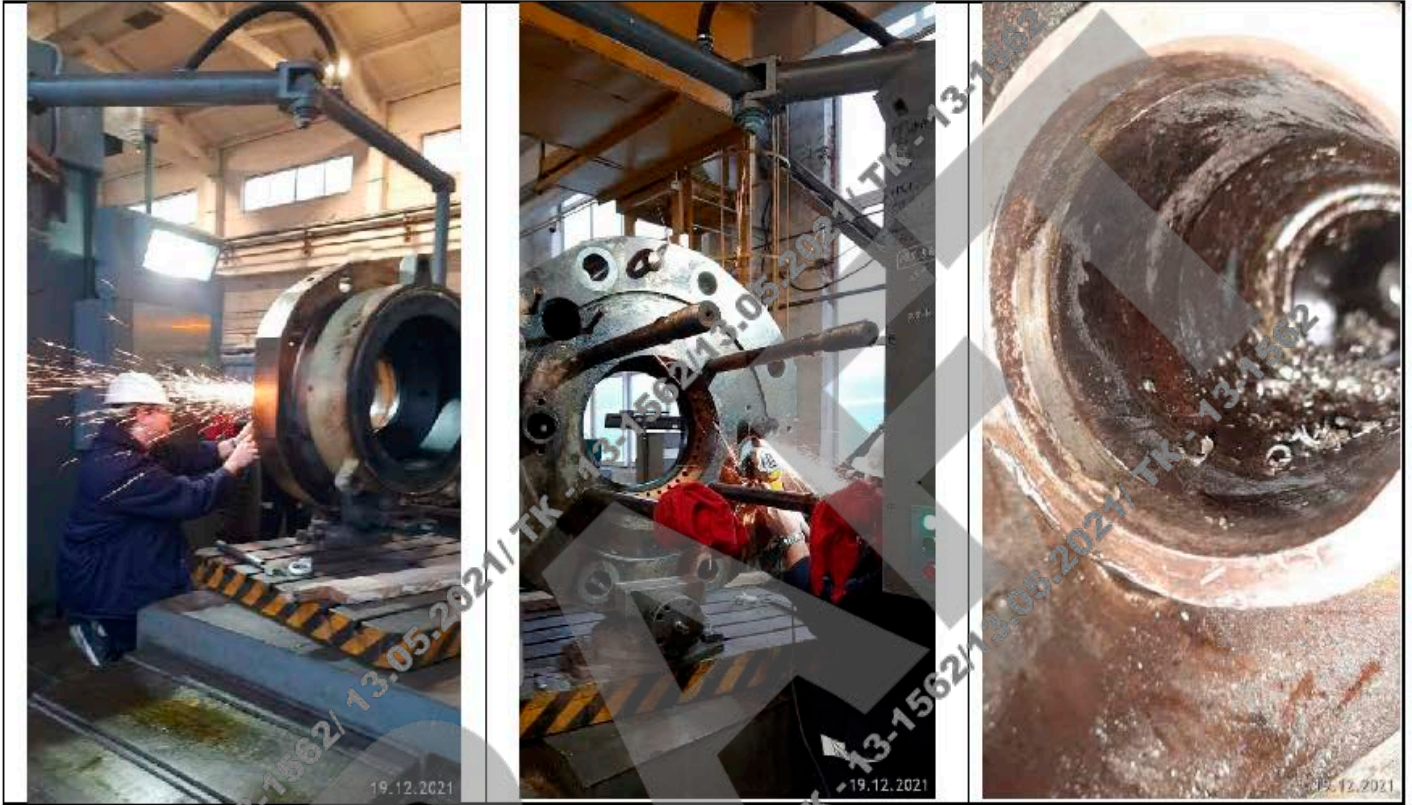


Commodities International
Shipping and Survey

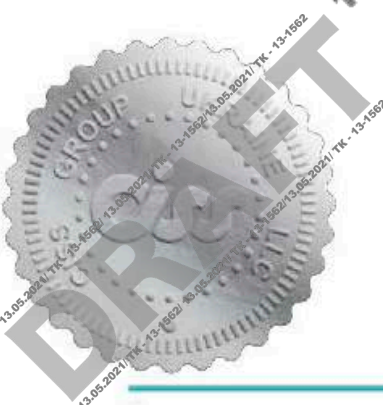
CISS GROUP PTE.LTD.

Registry address: 10 Anson Road, # 20-05,
International Plaza, Singapore, 079903
Reg.No 201618838R

www.ciiss-group.com



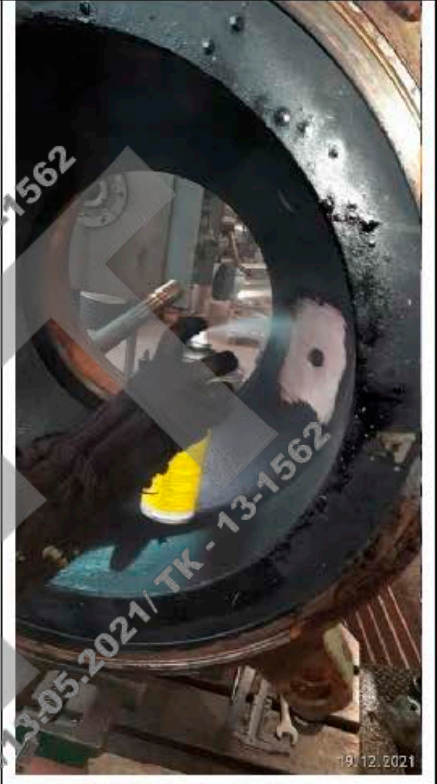
13.05.2021/TK - 13-1562/ 13.05.2021/TK - 13-1562/ 13.05.2021/TK - 13-1562/ 13.05.2021/TK - 13-1562/ 13.05.2021/TK - 13-1562/



It's shipping & survey



Crack test 19.12.2021



Samsung Quad Camera
19.12.2021

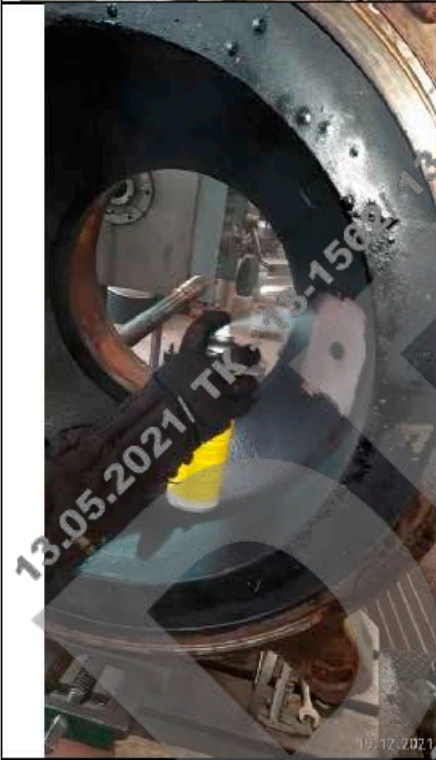




Crack test 19.12.2021



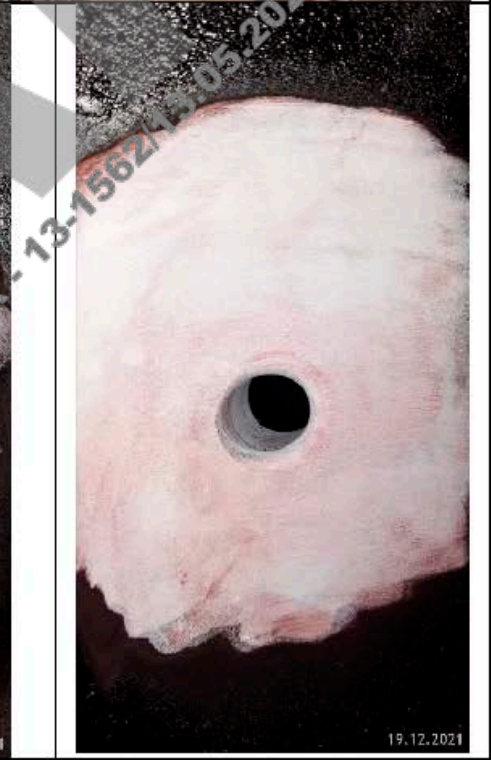
Samsung Quad Camera
19.12.2021



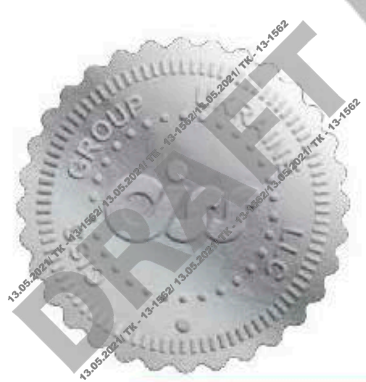
19.12.2021



19.12.2021



19.12.2021





It found that the lower part of fuel valve holder was damaged earlier as the fault point surface was completely covered by carbon deposits.





Fuel valves seating place was lapped by utilizing borrowed ships' tools





The grinding mandrel (plate 90151-0206, 058)
was found worn out and it is highly recommended to replace it.

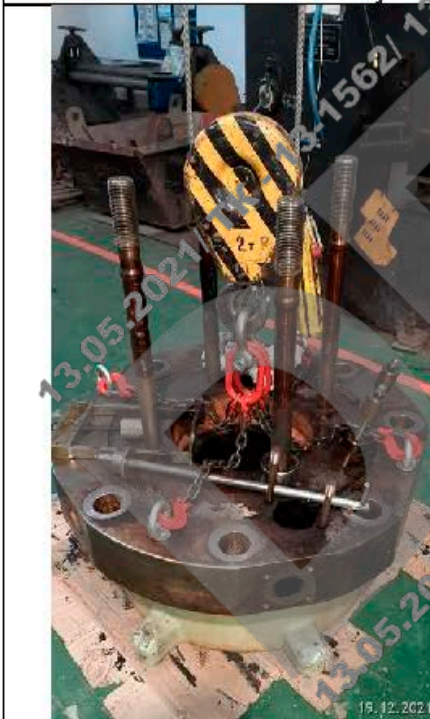


19.12.2021

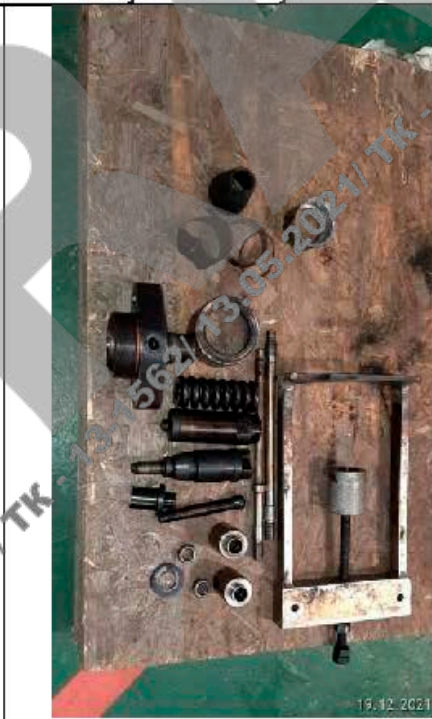


19.12.2021

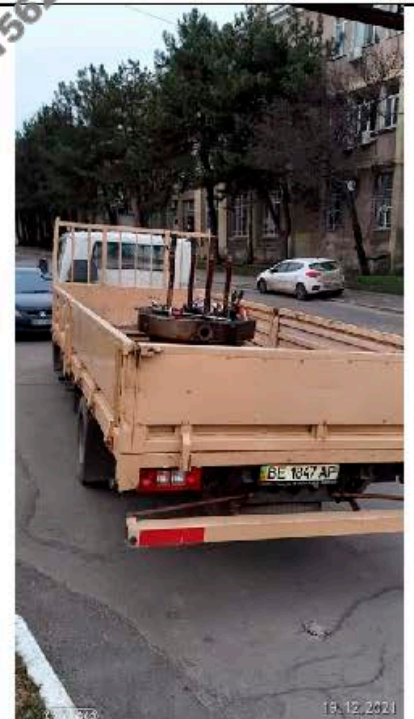
Cylinder cover ready for delivery to vessel 19.12.2021



19.12.2021



19.12.2021



19.12.2021





Cylinder cover safely delivered onboard





Custom authority and terminal stamps



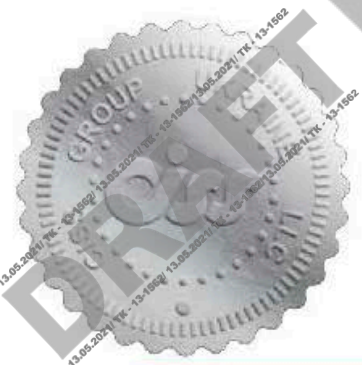
It confirm that cylinder cover for main engine
MAN B3W Type 6S60ME-C8.2 was delivered
to vessel "XXXXXXXXXXXXXXXXXXXX" et 20.12.2021

Captain
XXXXXXXXXXXXXXXXXXXX

Signature



13.05.2021/TK-13-1562/13.05.2021/TK-13-1562/13.05.2021/TK-13-1562/13.05.2021/TK-13-1562/13.05.2021/TK-13-1562





It leads the combustion gases entering to the fuel valve bore in the cylinder cover, which to blockage of the fuel valves holder in the cylinder cover. It found that the lower part of fuel valve holder was damages earlier as the fault point surface was completely covered by carbon deposit. The remained parts of fuel valves holder were returned to the vessel for further investigation if required. Cylinder cover was delivered on board and presented to the Chief Engineer.

Job completed.

Attached documents:

- Condition Survey Report;
- Delivery note;
- Landed Goods Advice;
- Time Sheet.

All related photos and videos will be available for downloading 14 days.
<https://dropmefiles.com/ua/ru/zSvThk7LHU>

QR code of link



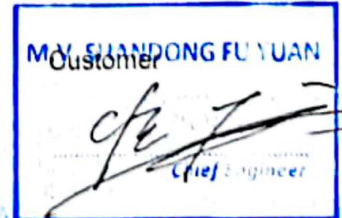
CONDITION SURVEY REPORT

Vessel/ Installation : ~~XXXXXXXXXXXXXXXXXXXX~~ Location : Mykolaev Ukraine
 Customer : ~~XXXXXXXXXXXXXXXXXXXX~~ Ltd Date : 18.12.2021 - 20.12.2021
 System : Main Engine Job#Ref : 001
 Make : MAN B&WME Model :
 Work Requested : Fuel oil injector valve stuck in cylinder cover

Description of Job:

The cylinder cover was inspected in presence of ship C/E. It found stuck aft fuel valve holder (part 2) inside fuel valve pocket of cylinder cover. The surface of the fuel valve pockets pipes (part 210) have hammer marks. The C/E was informed that fuel valve holder will be destroyed. Permission was granted by C/E for destroying stuck fuel valve holder. At 18.12.2021 cylinder cover was loaded to the shore truck by the ship crane. Cylinder cover delivered to shore workshop for repair. Fuel valve holder was cut and drilled, found that material at outer side of fuel valve holder was hardened by action taken previously by ship's crew. Drill cut out 5mm on depth of 70mm internal surface and was not able to cut hardened material, drill cutting edge was burned. At second attempt extracting tool fabricated. It was welded to the fuel valve holder and hydraulic pressure 4000 bar applied for extraction. The valve holder did not give in to extraction from the cover. At 17:00 action was terminated and decided to drill out stuck valve holder by using radial boring machine. At 19.12.2021 jobs continued on the grinding opening machine. At 13:00 stuck fuel valve holder horizontal successfully drilled out from the cylinder cover. A crack test has been carried out on the area around aft and fwd fuel valves surface from combustion side. It confirmed no any cracks were found. Pictures will be attached with a final report from the office side. Fuel valves seating place was lapped by utilizing approved ships' tools. The grinding mandrel (plate 90151-0206, 058) was found worn out and it is highly recommended to replace it. It is not possible to restore the seating place under a correct angle →

Name
 Title
 Signature and Stamp



VAT TRN:

DELIVERY NOTE

Delivery Address
Vessel
XXXXXXXXXXXXXXXXXXXX

Delivery note No.	:	1.
Delivery Date.	:	20.12.2021
Job No./ Ref. No.	:	001
Your order No.	:	LEA TEM FORM N 062
Delivery Method	:	track
Number of Packages	:	1

Item No.	Description of items	Quantity	Unit
1	Main Engine Cylinder cover	1 set	set
2	Fuel injector (remaining parts)	-	set
3	Main Engine Cylinder cover lifting tool	1	set
4	Fuel injector pulling tool	1	set
5	Fuel injector lapping tool	1	set

Notice must be given to us if any goods not received within 10 days taken from the date of dispatch stated on the delivery note. Any shortage or damage of goods must be notified within 4 days of receipt of goods. Complaints can only be accepted if made in writing 7 days of receipt of goods. No goods may be returned without prior authorization from company. Used goods will not be taken back.

<p>Items received by:</p> <p>XXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXX</p> <p><i>[Signature]</i></p> <p>Chief Engineer</p>	<p>Authorized by:</p> <p>XXXXXXXXXXXXXXXXXXXX</p> <p><i>[Signature]</i></p> <p>CISS Inspector SunamiName 22</p>
Signature and Stamp of Customer	For CISS GROUP



THOME
SHIP MANAGEMENT PTE LTD

Landed Goods Advice -Of FO sample-

Quality Assurance into the
21st Century and beyond

TSM Form
No. 062

Vessel :	XXXXXXXXXXXX Shandong FU YUAN	Date :	13 Dec-2021
Port :	Nikolaev, Ukraine	Berth :	

To: Agent

Dear Sirs,

This is to advise you that the following item (s) have been landed from the above vessel

#	Description	Reason for Landing
1.	Main Engine Cylinder Cover 1set	For repair
2.	Fuel injector 1set	For repair
3.	Main Engine Cylinder Cover Lifting tool 1set	For repair
4.	Fuel injector pulling tool 1set	For repair
5.	Fuel Injector lapping tool 1 set	For repair

Total Value in USD:

Please forward these items to the following address as soon as possible by:

Courier
 Air Mail / Freight
 Sea
 Truck

Address :

Country : Ukraine

Note for Agents: Copies of forwarding Documents are to be sent to the above address and to TSM together with the expected time of arrival at the port of destination. If the shipment consists of personal effects they should be insured for the value indicated.

Yours Faithfully	XXXXXXXXXXXX	Received on Behalf of Agents:
Ch Engineer Signature:	<i>Fenghis</i> Chief Engineer	Signature: <i>Ciss Group</i>
Master: Capt.	<i>[Signature]</i>	Please PRINT Name: <i>Bubnar</i> Inspector <i>[Signature]</i>

CONTROLLED



It leads the combustion gases entering to the fuel valve bore in the cylinder cover, which leads to blockage of the fuel valves holder in the cylinder cover. It found that the lower part of fuel valve holder was damaged earlier as the fault point surface was completely covered by carbon deposit. The remained parts of fuel valves holder were returned to the vessel for further investigation if required. Cylinder cover was delivered on board and presented to the C/E. Job completed.



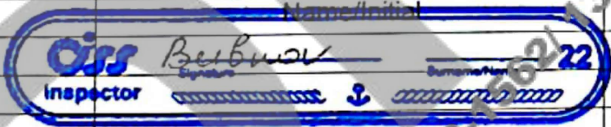



TIME SHEET

Vessel/ Installation	: XXXXXX	Location	: Mykolaev Ukraine
Customer	: Thome Ship Management Ltd	Date	: 18.12.2021
Job number	: 1	Client Ref No	: TSM form N 062

Date	Number of (S.S.E)	Number of (S.E)	Number of (S.T)	Work Item	Time		For office use				Remarks
					Start	End	NT	OT	T/W	Total	
18.12.21	1		2	2	05:00	07:00					From Odessa to Mykolaev
	1			3	07:00	09:00					Customs clearance
	1		2	1	09:06	10:15					visit to vessel
	1				10:15	11:05					left vessel truck arrangement
	1			1	11:05	11:20					visit to vessel load cyl. cover
	1				11:20	11:40					transport. to shore workshop
	1		2		11:40	17:00					Repair in workshop
	1			2	17:00	17:20					Travel to hotel
19.12.21	1			2	06:20	06:35					Travel to workshop from hotel
	1		2		06:40	15:00					Repair in workshop
	1			3	15:00	23:59					Waiting for vessel shifting
20.12.21	1			3	00:00	01:45					waiting for vessel shifting
	1				01:45	02:50					arrival ship alongside, waiting
	1			1	02:50	03:00					for lifting
	1			2	03:00	05:30					cylinder cover lifted on board.
											From Mykolaev to Odessa

Work Item: 1 = On-board/On-site, 2 = Travel, 3 = Waiting

*Travelling hours for the return trip will be added according to the actual travelling time

Core Marine Automation Representatives		Signature of rep.	Customer's Signature and Stamp
Designation	Name/Initial		M.V. SHANDONG FU YAN
Sr. Service Engineer (SST) :			
Service Engineer :			Chief engineer
Service Technicians (ST) :			



TIME SHEET

Date	Number of (S.S.E)	Number of (S.E)	Number of (S.T)	Work Item	Time		For office use				Remarks
					Start	End	NT	OT	T/W	Total	
18.12.21	1			2	05:00	07:00					From Odessa to Mykolaev
	1			3	07:00	08:00					Custom clearance
	1		2	1	09:06	10:15					Visit to vessel
	1				10:15	11:05					Left vessel truck arrangement
	1			1	11:05	11:20					Visit to vessel load cyl. cover
	1				11:20	11:40					Transport to shore workshop
	1		2		11:40	13:00					Repair in workshop
	1			2	17:00	17:20					Travel to hotel
19.12.21	1			2	06:20	06:35					Travel to workshop from hotel
	1		2		06:40	15:00					Repair in workshop
	1			3	15:00	23:59					Waiting for vessel shifting
20.12.21	1			3	00:00	01:45					Waiting for vessel shifting
	1				01:45	02:50					Arrival ship alongside working for lifting
	1			1	02:50	03:00					Cylinder cover lifted on board
	1			2	03:00	05:30					From Mykolaev to Odessa

THE END OF REPORT.

