

Service Report

General

To:	Mr.Fu	Customer:	
Vessel name:		IMO No.:	
Engineer:	Leon Liu	Job No. :	
Date:	27/04/2020	Place:	Cosco shipping Shipyard

1. Job description

Attended on board as per customer's requirement to carry out the valve block repair of hatch covers motor during repair in dock yard.

2. Equipment description

Hatch cover: Control valve of hydraulic windlass.

3. Report

The followings had been done during visit.

- We had been overhauled the control valve station and found the shaft of valve station was worn out,suggest to be repaired.
- We had been cleaning the control valve inside due to dirty.
- We had been renewed the O-ring of the control valve due to aged.
- We had been renewed the oil seal for the shaft of control valve due to break.
- We had been renewed the dust seal for the shaft of control valve due to damaged.
- The control valve had been test after renewed all the seal kit,it is in the good condition.

4. Necessary spare parts

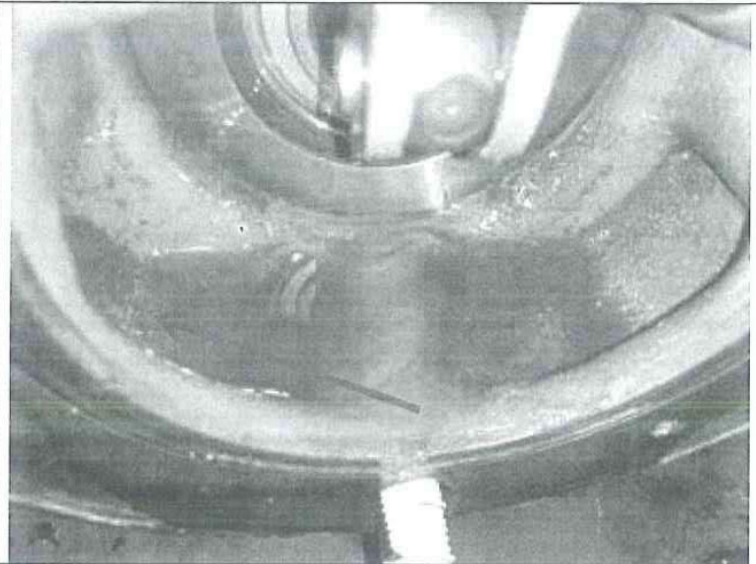
Item No.	Description/part name	Quantity	Mark
1	O-ring	2pcs	Used
2	O-ring for oil seal of shaft	1pc	Used
3	Oil seal for shaft of control valve	1pc	Used
4	Dust seal for shaft of control valve	1pc	Used

5 Pictures

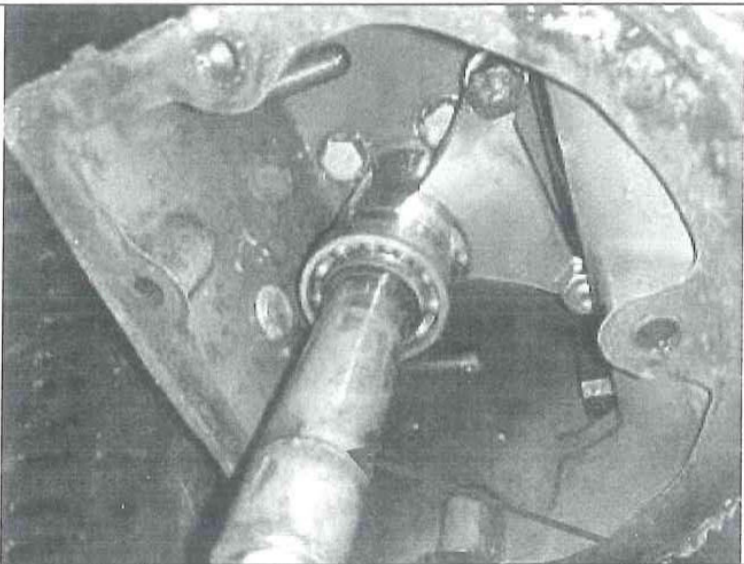




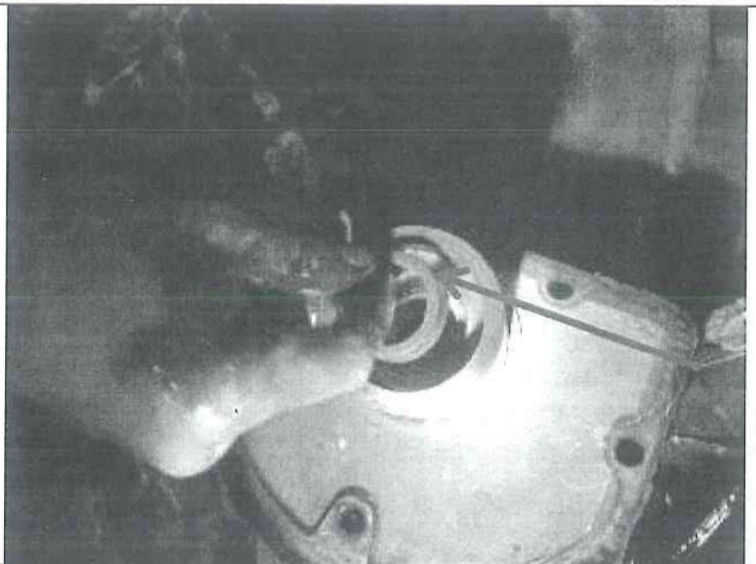
P1, We had been overhauled the control valve station and found the shaft was worn out.



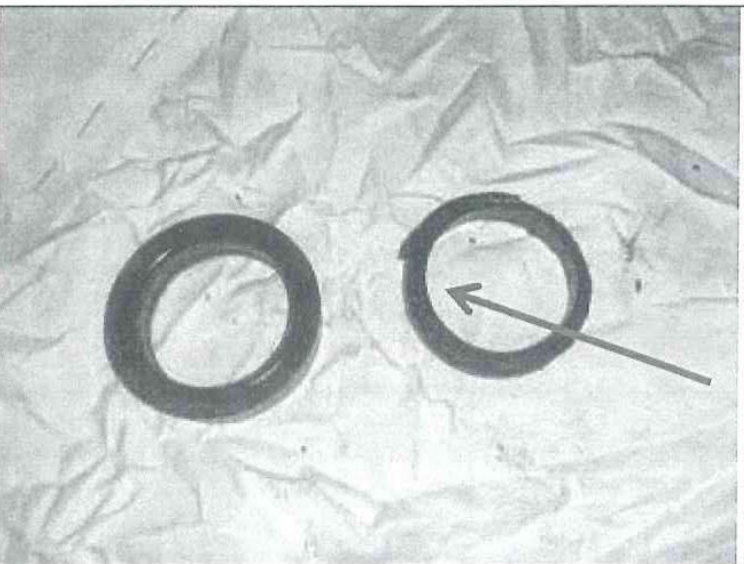
P2, We had been cleaning the control valve inside due to dirty.



P3, We had been cleaning the control valve inside due to dirty.



P4, We had been renewed the oil seal for the shaft of control valve due to break.



P5, We had been renewed the dust seal for the shaft of control valve due to damaged.



P6, The control valve had been test after renewed all the seal kit, it is in the good condition.



Service Report



General

To:	Mr.Fu	Customer:	
Vessel name:		IMO No.:	
Engineer:	Leon Liu	Job No. :	
Date:	18/04/2020	Place:	Cosco shipping Shipyard

1. Job description

Attended on board as per customer's requirement to carry out the valve block repair of hatch covers motor during repair in dock yard.

2. Equipment description

Hatch cover: Hydraulic side rolling type hatch covers,2+2 panels for No.1-7 ,total 14 hatch panels for all 7 hatches.

3. Report

The followings had been done during visit.

- All the bolt of valve block had been take out and renewed due to rusted and corroded heavily,total 56pcs.
- All the valve block had been de-rusted and cleaning the surface due to rusted and corroded,and should be paint by ship crew.
- All the washer for the bottom plug of vale block had been renewed due to aged,total 14pcs.
- The handle of valve block had been renewed due to missing or break,total 9pcs:
1P, 1S, 2P, 3P, 3S, 5P, 6P, 6S, 7P
- Following the relief valve had been renewed duo to corroded,total 9pcs:
 - NO.1 starboard side 2pcs
 - NO.2 starboard side 2pcs
 - NO.3 starboard side 2pcs
 - NO.4 port side 1pcs
 - NO.7 port side 2pcs
- Following the balance valve had been renewed due to the adjust bolt was rusted and corroded,it is can not adjust,total 16pcs:
 - NO.2 port side 1pc
 - NO.2 starboard side 1pc
 - NO.3 starboard side 1pc
 - NO.4 port side 2pcs
 - NO.5 port side 2pcs
 - NO.5 starboard side 2pcs
 - NO.6 port side 2pcs
 - NO.6 starboard side 2pcs
 - NO.7 port side 1pc
 - NO.7 starboard side 2pcs

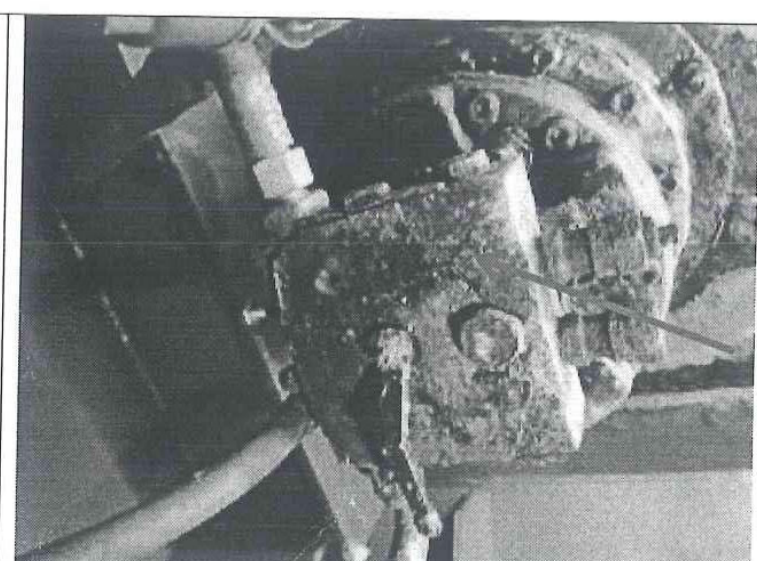
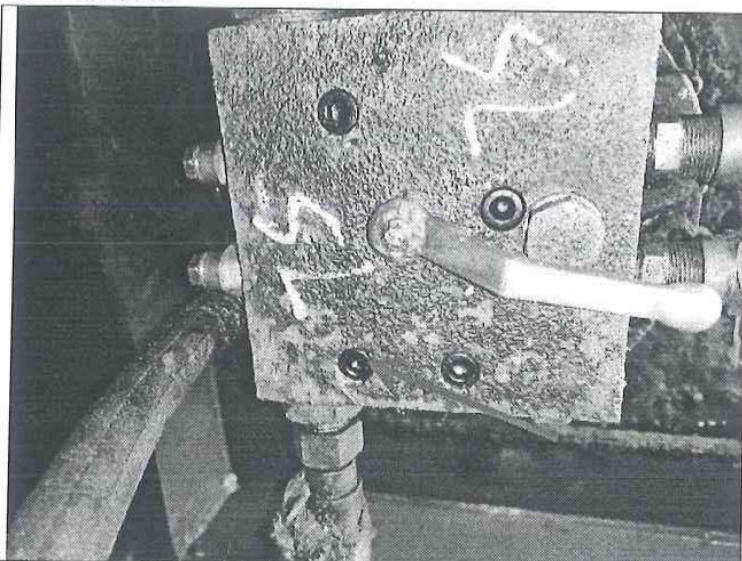
And following the balance valve was not renew at this time due to without spare,total 3pcs,suggest to be renewed these valve after get spare:

- NO.1 port side 2pcs
- NO.2 starboard side 1pc
- The balance valve on the NO.2P and NO.7P was can not renew due to the old one had been welded on the valve block,suggest to be renewed these 2 valve block.
- Found the rubber hose and adopter of rubber hose was missing during take out the valve block,rubber hose total 6pcs,adopter total 1pcs,suggest to by new rubber hose and adopter for valve block.Location as below:
 - NO.1 port side 2pcs rubber hose missing
 - NO.2 port side 1pc rubber hose missing
 - NO.4 starboard side 1pcs rubber hose and 1 adopter missing
 - NO.7 starboard side 2pcs rubber hose was missing
- Found the steel pipe of hydraulic system was renewed by shipyard,suggest to flush the steel pipe complete to avoid the dirty thing damage the valve block.
- The rubber hose had been take out by shipyard but without protection ,the dirty things will be entry the rubber hose,suggest to cleaning the rubber hose before fitting with the steel pipe.
- All the relief valve and balance valve should be protect with some cover to avoid the rusted and corroded faster.

4. Necessary spare parts

Item No.	Description/part name	Quantity	Mark
1	Washer of plug	14pcs	Used
2	Handle of valve block	9pcs	Used
3	Relief valve	9pcs	Used
4	Balance valve	16pcs	Used
5	Bolt of valve block	56pcs	Used
6	Balance valve	3pcs	Need order
7	Valve block	2pcs	Need order
8	Rubber hose	6pcs	Need order
9	Adopter of rubber hose	1pc	Need order

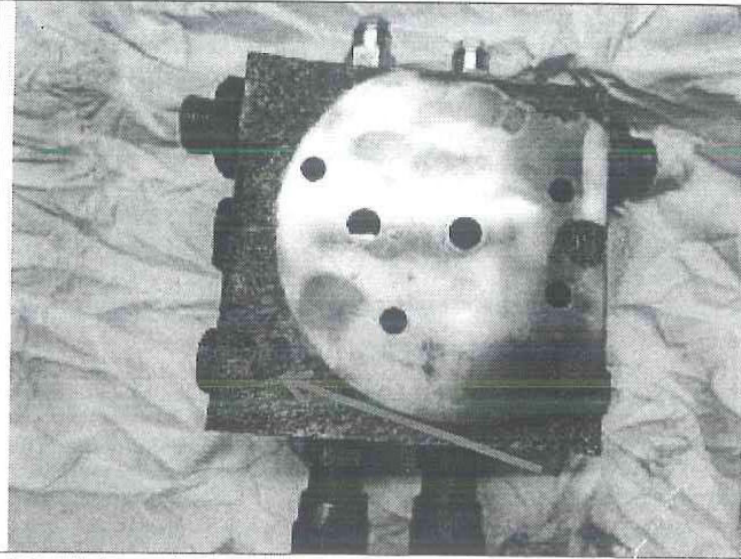
5 Pictures



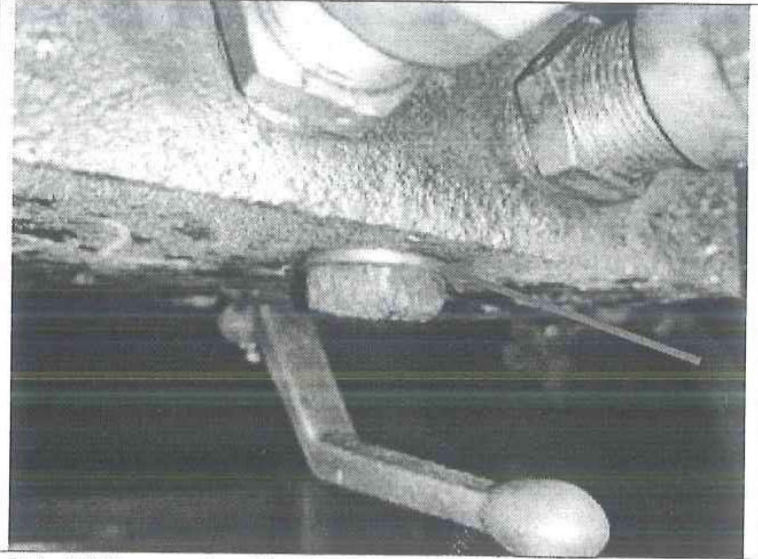
P1,All the bolt of valve block had been take out and renewed.

P2 ,All the valve block was rusted and corroded.

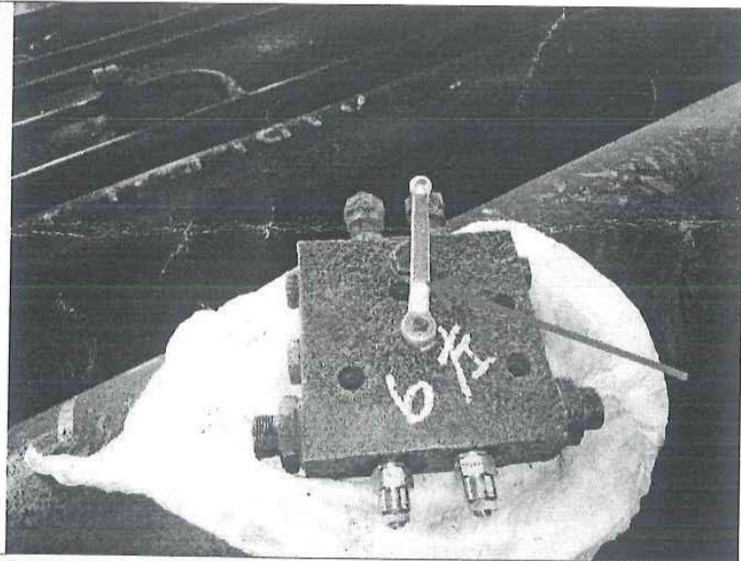




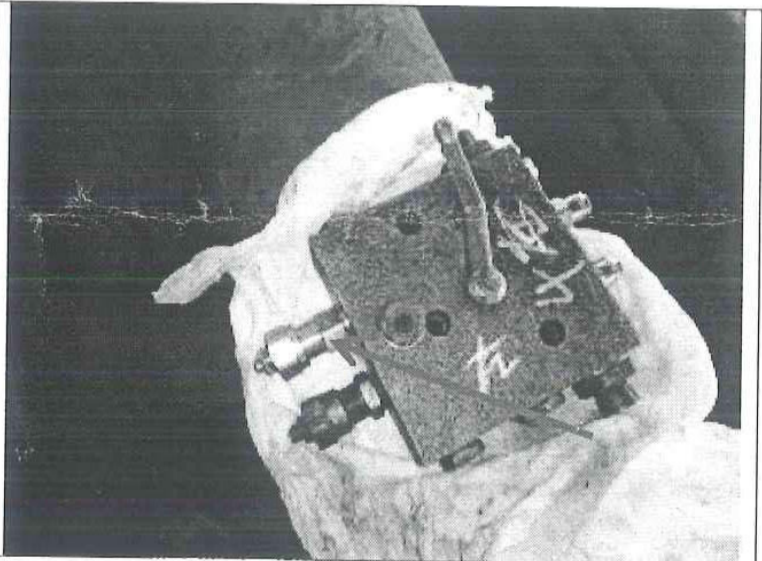
P3, All the valve block had been de-rusted and cleaning.



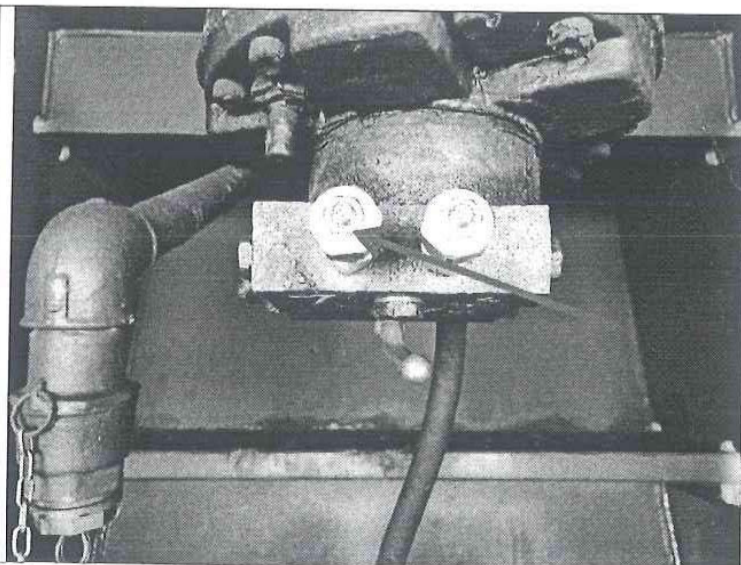
P4, All the washer for the bottom plug of valve block had been renewed.



P5, The handle of valve block had been renewed.



P6, The relief valve had been renewed due to corroded.

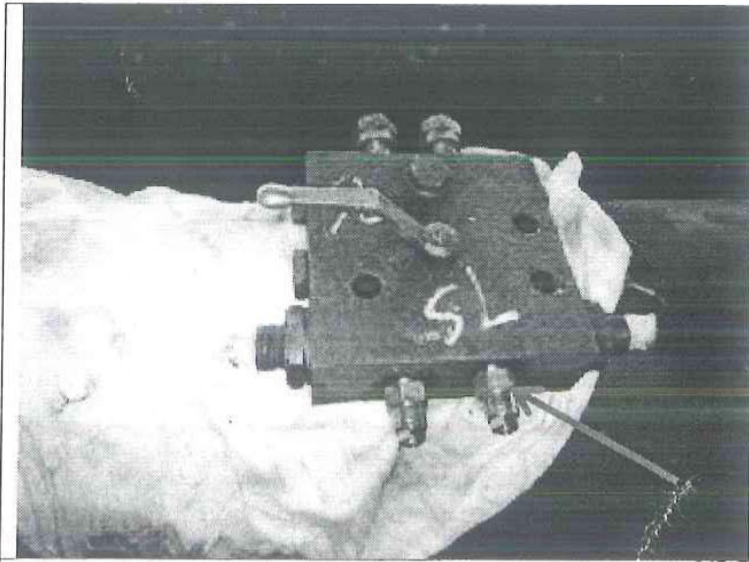


P7, The relief valve had been renewed due to corroded.

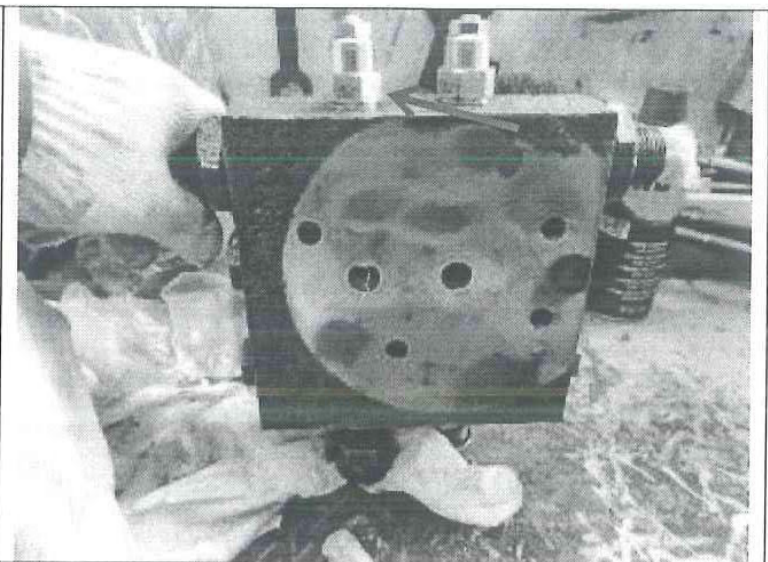


P8, The balance valve on the NO.2P and NO.7P was can not renew due to the old one had been welded on the valve block.

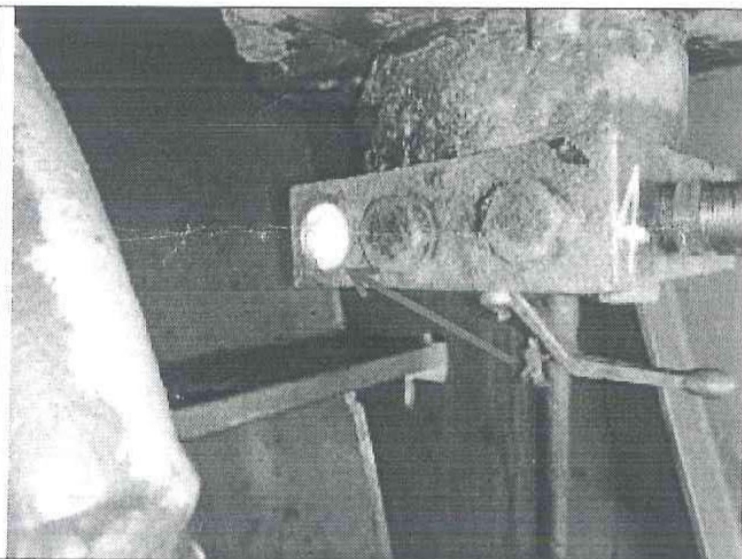




P9, The balance valve had been renewed due to the adjust bolt was rusted and corroded.



P10, The balance valve had been renewed due to the adjust bolt was rusted and corroded.



P11, The rubber hose and adopter of rubber hose was missing during take out the valve block.



P12, The rubber hose without protection after take out by shipyard, the dirty things will entry the rubber hose.

