


Notification No	/	Report No	/
Date of Notification	2021.June.28	Date of Inspection	2021.July.1,2,3

1. Work Order Information			
Project Name	/	Insp. Contract No.	/
Client	***	P/O No.	/
Contractor	/	P/I No.	/
Vendor/Sub Vendor	Shenyang ***	L/C No.	/
Manufacturer	Shenyang ***	I/O No.	/

2. Place of Inspection				
<input checked="" type="checkbox"/> Workshop	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Port	<input type="checkbox"/> Office	<input type="checkbox"/> Laboratory
Address:	***			

3. Scope of Work			
<input type="checkbox"/> Pre -Inspection Meeting	<input type="checkbox"/> Raw Material Inspection	<input type="checkbox"/> Sampling for Lab. Test	<input type="checkbox"/> Test Witness
<input type="checkbox"/> Quantity Check	<input checked="" type="checkbox"/> Visual Inspection	<input checked="" type="checkbox"/> Dimensional Check	<input checked="" type="checkbox"/> Document Review
<input checked="" type="checkbox"/> Pressure Test	<input type="checkbox"/> Functional Test	<input type="checkbox"/> Performance Test	<input type="checkbox"/> Electrical Test
<input type="checkbox"/> NDT:	<input checked="" type="checkbox"/> Coating Check	<input type="checkbox"/> Packing &Marking	<input type="checkbox"/> Loading Inspection
<input type="checkbox"/> Others:			

4. Description of Goods (As per PO/Contract/LC/other References)			
Item	Description	Quantity	Pcs
1	*** Regeneration Gas Compressor of product no ***/***	2	Set
2	*** C2+ Regeneration Gas Compressor of product no ***/***	2	Set

5. Inspection Result		
<input type="checkbox"/> Accepted	<input checked="" type="checkbox"/> Conditional	<input type="checkbox"/> Discrepancy/NCR
Inspected by: Name/Date/Signature		Approved by: Name/Date/Signature
*** 2021.07.05 		

6. Inspection Activities according to the ITP No. /			
Item	ITP Activity No.	Activity Description	TPI Involvement
D5 Piping			

1	D5.1	Material Inspection	RA
2	D5.2	NDT	RA
3	D5.3	Hydrostatic Pressure test for Piping and visual and dimension	W
D6 Oil Filter			
4	D6.4	Visual and dimension check	X
B7 Compressor Assembly			
5	B7.1	Clearance recheck for seals, bearings and impeller	W
6	B7.7	Painting Inspection	W
7. Packing Check: NA			
Total Gross Weight	-	No. of Packages	-
Total Net Weight	-	Packing List No.	-
Type of Packing	-		
8. Marking Check: NA			
-			
9. Means of Transport& Type of Shipment: NA			
<input type="checkbox"/> Vessel	<input type="checkbox"/> Air	<input type="checkbox"/> Truck	<input type="checkbox"/> Rail
Trans-Shipment Allowed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Partial Shipment Allowed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
10. Inspection Description			
Base on IDR no. ***, ITP(***&***), inspector was present at inspection on July 1,2,3, 2021, the results were found as below:			
<ul style="list-style-type: none"> • D5.1Material Inspection for Piping on Regeneration Gas Compressor Tag No. *** • D5.1 Material Inspection for Piping on C2+ Regeneration Gas Compressor Tag No. *** • D5.2 NDT for Piping on Regeneration Gas Compressor Tag No. *** • D5.2 NDT for Piping on C2+Regeneration Gas Compressor Tag No. *** • D5.3 Hydrostatic Pressure test for Piping on C2+ Regeneration Gas Compressor Tag No. *** • D6.4Visual and dimension check for Oil filter on Regeneration Gas Compressor Tag No. *** • D6.4Visual and dimension check for Oil filter on C2+Regeneration Gas Compressor Tag No. *** • B7.1 Clearance recheck for seals, bearings and impeller on Regeneration Gas Compressor Tag No. *** • B7.1 Clearance recheck for seals, bearings and impeller on C2+ Regeneration Gas Compressor Tag No. *** • B7.7Painting Inspection on Regeneration Gas Compressor Tag No. *** • B7.7 Painting Inspection on C2+ Regeneration Gas Compressor Tag No. *** 			
10.1 Material Inspection for Piping–D5.1-RA			
10.1.1 List of material subject to inspection is as below:			

Item No.	Description	Qty (set)
D5.1	*** Regeneration Gas Compressor of product no ***/***	2
D5.1	*** C2+ Regeneration Gas Compressor of product no ***	2

10.1.2 Review the material reports of piping for Regeneration Gas Compressor of product no ***/*** and C2+ Regeneration Gas Compressor of product no ***/***. Details refer to Att-01 Material reports of ***~47 Material: 022Cr17Ni2Mo2. Name: Seamless steel tube.

Heat No:*,Size(mm):Φ168*7,Φ114*6.5,Φ60*4,Φ89*5.5,Φ219*8,Φ140*6.5,Supplied by***.

Heat treatment status: solid solution pickling. It's chemical composition, mechanical properties, NDT and flatterng which meet the requirements of GB 14976-2012.

10.2 NDT for Piping-D5.2-RA

10.2.1 List of material subject to inspection is as below:

Item No.	Description	Qty (set)
D5.2	*** Regeneration Gas Compressor of product no ***/***	2
D5.2	*** C2+ Regeneration Gas Compressor of product no ***	2

10.2.2 Review the NDT reports of piping for Regeneration Gas Compressor of product no ***/*** and C2+ Regeneration Gas Compressor of product no ***/***. Details refer to Att-02 NDT report for ***~*** oil station Pippings.

100% RT detection is used for all butt ring welds, Negative II qualified.

No recordable defects exist and meet the requirements of NB/T47013.2-2015.

10.3 Hydrostatic Pressure test for Piping-D5.3-W

10.3.1 List of material subject to inspection is as below:

Item No.	Description	Qty (set)
D5.3	*** C2+ Regeneration Gas Compressor of product no ***	1

10.3.2 Witnessed the hydrostatic pressure test for piping of C2+Regeneration Gas Compressor of product no *** according to the requirements of *** and ***, Water Filling Test Proceed. For Oil Tank & Hydraulic Test.

Item	Requirement	Actual	Pressure gauge
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	Pressure (MPa)	Time (h)	Pressure (MPa)	Time (h)	No.	range (MPa)	Validity of verification
***	2	0.5	2.2	0.5	*** ***	0~4	2021-10-5
***	1.52	0.5	1.52	0.5	*** ***	0~4	2021-10-5
***	1.52	0.5					
***	1.52	0.5					
***	1.52	0.5	1.6	0.5	*** ***	0~4	2021-10-5
***	1.52	0.5					
***	1.52	0.5					
***	1.52	0.5					

Results: No leakage and abnormal sound. The result was acceptable with notes. Details refer to Att-03 *** piping's Hydrostatic test reports.

Note 1:

Piping(DWG. ***) is from oil tank to oil pump;

Piping(DWG. ***) is between main and spare oil pumps;

Piping(DWG. ***) is primary control valve piping (three valve group);

Piping(DWG. ***) is from control valve to temperature control valve connecting piping;

Piping(DWG. ***) is temperature control valve piping;

Piping(DWG. ***) is from oil filter to primary control valve;

Piping (DWG. ***) is filter to secondary control valve;

Piping (DWG. ***) is oil pump outlet safety valve piping ;

Note2: The piping (DWG. ***) is not mentioned in ***, Water Filling Test Proceed. For Oil Tank & Hydraulic Test, but the pressure test is actually required, while the marked piping (DWG ***) is the piping from the top of the filter to the oil tank, which plays an overflow and reflux role, does not bear pressure and does not need hydraulic test. Drawings(***~***) can be reviewed at site, but cannot be photographed and copied due to plant confidentiality requirements. Also, the code should be specified.

Note3: As the limitation of inspection time, the Visual and dimension check of D5.3 for ***/***/ ***/*** were not performed.

10.4 Visual and dimension check-D6.4-X

10.4.1 List of material subject to inspection is as below:

Item No.	Description	Qty (set)
D6.4	*** Regeneration Gas Compressor of product no ***/***	2
D6.4	*** C2+ Regeneration Gas Compressor of product no ***/***	2

10.4.2 Checked visual and dimension of the oil filter according to the drawings (Part DWG: ***.***, assembly DWG: ***.***&assembly DWG: ***.***).

The shell adopts 216 seamless pipe. The welding height of the legs, the flange from the foundation to the shell is 932mm (Drawing design value: 932mm).

The flange from the foundation to the top edge of the connecting pipe flange of the cover plate is 1124mm (Drawing design value: 1124mm).

The height from the foundation to the boom is 1123mm (Drawing design value: 1123mm).

The flange size from the shell to the change-over valve is 270mm (Drawing design value: 270mm), etc.

All of above meet the requirements of the drawings. There is no bump damage on the pickling surface, and the weld edge is polished smooth.

Note4.*** and *** use the same set of drawings. Drawings (Part DWG: ***.***, assembly DWG: ***.***&assembly DWG: ***.***) can be reviewed at site, but cannot be photographed and copied due to plant confidentiality requirements. Also, the code should be specified.

10.5 Painting Inspection-B7.7-W

10.5.1 List of material subject to inspection is as below:

Item No.	Description	Qty (set)
B7.7	*** Regeneration Gas Compressor of product no ***/***	2
B7.7	*** C2+ Regeneration Gas Compressor of product no ***/***	2

10.5.2 According to***, Surface Painting & Painting Procedure for Units 300 & 700(Code 2), the inspector checked the **external** surface painting of Regeneration Gas Compressor of product no *** and C2+ Regeneration Gas Compressor of product no ***.

10.5.2.1) The cylinder block, base and coupling cover of the compressor(***/***) were checked with RAL7308, and no obvious color difference was found;

10.5.2.2 There is no drop and peeling on the paint surface.

10.5.2.3The end cover, bearing box cover plate and base support for machined surfaces are coated with Red

Antirust oil which basically meets the requirements of ***.

10.5.2.4 The thickness of the paint film on the casing and base of the compressor (***/***) was measured by using the paint film thickness gauge. The thickness range basically meets the requirements of ***;

Parts Description	Surface Treatment	Design Coat Description/Thickness (μm)	Actual Coat Description/Thickness (μm)
Compressor Casing	Sa2.5	125~155	130~154
Base Plate	Sa2.5	125~155	127~153

Note 5: The thickness of the paint film on coupling cover is not thick enough and needs to be repainted. The require value is 200~250μm. The actual value is 130μm. The details refer to photo 20 and below:

The thickness range basically meets the requirements of ***.10.1after repaint; The details refer to photo 49/50. So the note is closed.

Parts Description	Surface Treatment	Design Coat Description/Thickness(u m)	Actual Coat Description/Thickness (um)
Coupling Guard (aluminum) (before repaint)	Sa2.5	200~250	150~190
Coupling Guard (aluminum) (after repaint)	Sa2.5	200~250	205~240

Note 6: Article 7.1 and 10.1 of the painting procedure document *** is conflicted. 7.1Aluminum, copper, brass and all other non-ferrous metal should not be painted, while in 10.1 the aluminum coupling guard is required to be painted and the film thickness is specified.

Note 7: The drawing number in the procedure document (***) is wrong. The drawing check in 10.2(Painting specification for interior surface of compressor where is specially specified) of ***/ S (product no *** / ***) painting procedure should refer to DWG: ***& ***. But actual the procedure document stipulates that the drawing check in 10.2 of ***/ S painting procedure refer to DWG: ***& ***.

Note8: The color and thickness inspection of diaphragm painting and rotor anti rust is internal inspection of compressor. So ***~*** were disassembled. The clearance between stator and rotor(B7.1) should be rechecked when the compressor is reassembled, and the paint on the surface of the compressor needs to be cleaned due to disassembly.

Note 9: The **external** surface painting of ***&*** didn't witness this visit.

10.5.3 According to ***, Surface Painting & Painting Procedure for Units 300 & 700(Code 2), the inspector checked the **interior** surface painting of Regeneration Gas Compressor of product no ***/*** and C2+ Regeneration Gas Compressor of product no ***/***.

10.5.3.1 As for compressors ***(***,***),the inlet and outlet diaphragm channel of the compressor were checked with ***, which meets the requirements of *** .

The thickness of the paint film on diaphragm channel of the compressor (***/***) was measured by using the paint film thickness gauge. The minimum thickness range basically meets the requirements of ***;

Parts Description	Surface Treatment	Design Coat Description/Thickness(μm)	Actual Coat Description/ Thickness (μm)
diaphragm channel	Sa2.5	190~210	200~237

Results: No obvious color difference was found. There is no drop and peeling on the paint surface of diaphragm channel of compressors.

Note 10: The upper limit of diaphragm film thickness for ***/*** slightly exceeds the standard of painting procedure for item 10.2. The details refer to photo 36.

As for compressors C-3130-01A/S(***,***), the details as below:

The inlet and outlet diaphragm channel of the compressors C-3130-01A/S (***/***) were checked with ***,which are not meet the requirements of 10.2 Painting specification for interior surface of compressor where is specially required(***) for C-3130-01A / S painting procedure.

The thickness of the paint film on diaphragm channel of the compressor (***/***)was measured by using the paint film thickness gauge. No obvious color difference was found. There is no drop and peeling on the paint surface of diaphragm channel of compressors.

The upper limit of diaphragm film thickness for ***/*** slightly exceeds the standard of item 10.2. The details refer to photo 45, 46.

Parts Description	Surface Treatment	Design Coat Description/Thickness(μm)	Actual Coat Description/ Thickness (μm)
diaphragm channel	Sa2.5	190~210	220~240

10.5.3.2 The rotor, bearing, bearing box and stator for machined surfaces of compressors(**~**) are coated with Red Antirust oil according to the requirement of **. Item 10.2 Painting specification for interior surface of compressor parts.

10.6 Clearance recheck for seals, bearings and impeller-B7.1-W

10.6.1 List of material subject to inspection is as below:

Item No.	Description	Qty (set)
B7.1	*** Regeneration Gas Compressor of product no ***/**	2
B7.1	*** C2+ Regeneration Gas Compressor of product no ***/**	2

10.6.2 In continuation of note 8, the inspector witnessed clearance recheck for seals, bearings and impeller of compressors (**/**) according to the plant drawing 111. **. The inspection items are as follows.

Items	Requirement/mm	Actual/mm
Shaft channeling momentum (when the thrust bearing is in the installation position)	≥1.5	2.01/2.18 2.0/2.15
Thrust bearing clearance	0.25~0.35	0.26/0.25
Radial clearance of shaft end gas seal	0.3~0.5	0.3~0.4/0.3~0.4 0.3~0.4/0.3~0.4
The radial clearance of gas seal of the 1st stage impeller inlet section	0.3~0.55	0.3~0.5 0.3~0.5

10.6.3 The inspector witnessed clearance recheck for seals, bearings and impeller of compressors (**/**)

according to the plant drawing 111.9901***.The inspection items are as follows.

Items	Requirement/ mm	Actual/mm
Shaft channeling momentum (when the thrust bearing is in the installation position)	≥1.5	1.67/2.45 2.5/3.6
Support bearing clearance	0.104~0.133	0.125/0.115 0.12/0.105
Thrust bearing clearance	0.25~0.35	0.30/0.32
Radial clearance of shaft end gas seal	0.20~0.35	0.25~0.3/0.25~0.3 0.28~0.32/0.25~0.3
The radial clearance of gas seal of the 1 st ~4 th stage impellers inlet section	0.45~0.70	1 st 0.5~0.6/0.5~0.6 2 nd 0.5~0.6/0.5~0.6 3 rd 0.5~0.6/0.5~0.6 4 th 0.5~0.6/0.5~0.6
Radial clearance of gas seal between 1st stage and 2nd stage impeller	0.25~0.45	0.3~0.35/0.3~0.4
Radial clearance of gas seal between 2nd stage and 3rd stage impeller	0.25~0.45	0.3~0.35/0.3~0.4
Radial clearance of gas seal between 3rd stage and 4th stage impeller	0.25~0.45	0.3~0.35/0.3~0.4
Radial clearance of gas seal for balance plate	0.20~0.40	0.3~0.4/0.22~0.25

Note 11: Compressors of *** / S and ***/S are rechecked the clearance between stator and rotor (B7.1) during reassembly after inspection of disassembly and internal coating, but *** did not provide report of clearance. Drawings (111.***& 111.***)can be reviewed at site, but cannot be photographed and copied due to plant confidentiality requirements. Also, the code should be specified.

11. Referenced Documents/Procedures/Standards

No.	Document Title	Document No. and Revision	Document Status
1	Inspection Dispatch Request	***	-
2	Inspection And Test Plan for Regeneration Gas Compressor C-3170-01 A/S	***	Code 2
3	Inspection And Test Plan for Regeneration Gas Compressor C-3130-01 A/S	***	Code 2
4	Water Filling Test Procedure for Oil Tank	***	Code 2

	& Hydraulic Test		
5	SURFACE PERPARATION & PAINTING PROCEDURE FOR UNITS 300 & 700	***	Code2
6	Plant drawing	***~***	Not Specified
7	Plant drawing	712.***&712.***&713.***,	Not Specified
8	Plant drawing	111.***& 111.***	Not Specified

12. Instruments/Tools Used

No.	Instrument Name	Serial No./Tag No.	Calibration No.	Expire Date
1	Pressure gauge	***	20210406001	2021-10-05
2	Pressure gauge	***	20210406002	2021-10-05
3	Film thickness gauge	TT260	21010205229	2022-06-09
4	Steel tape	R584	/	2022-01-05

13. Documents Reviewed

No.	Document Title	Document No. and Revision	Remarks
1	Att-01 Material reports of ***~47	As Attached	-
2	Att-02 NDT report for ***~*** oil station Pipings	As Attached	-
3	Att-03 *** pipings Hydrostatic test reports	As Attached	-
4	Att-04 Verification certificate	As Attached	-

14. Discrepancies/Non-Conformities

Discrepancies related to *:**

- 1- The hot resistances were calibrated by the vendor, so the certificates do not have calibration No.
- 2- The validation time on pressure gages were up to 2021.07.21, but calibration certificates were not provided, vendor declared that the calibration on gages were finished and the calibration certificates were in issuing process, therefore the result of this inspection is conditional.
- 3- The update ITP without client approved was showed by ***, for the item No. E5.2, the content of Applicable Specification or Procedure were changed to "API613/MECHANICALRUNNING TEST PROCEDURE FOR C2+ REGEN GAS COMPRESSOR ***" from "VT". The client submitted the document procedure as ***.

Discrepancies related to *:**

- 4- The reference for inspection in this duration for Base frame and Oil reservoir, was the internal drawings which client's approval shall be specified. All required information are derived from them.
- 5- Paint inspection process of compressor for the lube oil base frame for 4set will be performed before final packing inspection. It was not performed during this visit.

Discrepancies related to *:**

- 6- The MAWP is 20 bar as per the drawings provided by vendor and the test pressure should be 1.3 times of MAWP as per ASME Section VIII which will be minimum 26 bar. But *** has performed the test with 21 bar pressure. This matter shall be confirmed by client.

Discrepancies related to *:**

- 7- The vendor didn't provide dry gas seals fit-on standard due to plant confidentiality requirements and only provide document No.
- 8- The MRT was performed under non-closed working condition. Giving compression and expansion of inlet and outlet air flow and other factors, the noise test is more than 85.0dB. And there is no required value in procedure so the result will be confirmed by client.
- 9- *** will cover the performance test only for one set of compressors for same type compressor so only C2+ Regeneration Gas Compressor*** is provided for testing, which should be confirmed by client.
- 10- *** didn't provide the bearing disassemble test report for*** and ***.

Discrepancies related to *:**

- 11- The vendor didn't provide drawing due to plant confidentiality requirements and only provide document No. also the code should be specified.
- 12- According to the requirements of the seal manufacturer, the two ends of the shaft need to be supported by the bearing during the dry gas seal test, so the lower half of the supporting bearing was not removed during the test, which had certain influence on spot leak detection(The gap is narrow, so it is inconvenient for the leak detector to spray directly on the surface, and it can only flow from the upper part to the lower part, but there is no bubble formation).

Discrepancies related to *:**

- 13- The vendor didn't provide drawing due to plant confidentiality requirements and only provide document No. also the code should be specified.
- 14- *** will cover the performance test only for one set of compressors for same type compressor so only Regeneration Gas Compressor *** are provided for testing, which should be confirmed by client.
- 15- *** didn't provide the bearing disassemble test report for***.

Discrepancies related to *:**

- 16- Due to the requirements of vendor, production drawings can be reviewed, but cannot be copied or photographed. Also the code (DWG:***) should be specified.
- 17- No documents regarding document review steps regarding point F1.1 ~ F1.3 was not provided for review.

Discrepancies related to*:**

- 18- The temperature control valve piping (DWG.***) is not mentioned in ***, Water Filling Test Procedure for Oil Tank & Hydraulic Test, but the pressure test is actually required, while the marked piping (DWG ***) is the piping from the top of the filter to the oil tank, which plays an overflow and reflux role, does not bear pressure and does not need hydraulic test.
- 19- Vendor didn't provide soft copy of DWGs (***~***,712.***&712.***) due to plant confidentiality requirements and only provide at site. Also, the code should be specified.
- 20- No documents regarding document review steps regarding point D5.1~5.2, D6.1~D6.2 was provided for review.
- 21- Hydrostatic Pressure test for oil filter report (product no ***) is not provided this visit.

Discrepancies related to *:**

- 22- The piping (DWG.***) is not mentioned in *** , Water Filling Test Proce. for Oil Tank & Hydraulic Test, but the pressure test is actually required, while the marked piping (DWG ***) is the piping from the top of the filter to the oil tank, which plays an overflow and reflux role, does not bear pressure and does not need hydraulic test. Drawings (***~***) can be reviewed at site, but cannot be photographed and copied due to plant confidentiality requirements. Also, the code should be specified.
- 23- *** use the same set of drawings. Drawings(Part DWG: 713.*** , assembly DWG:712.***&assembly DWG:712.***) can be reviewed at site, but cannot be photographed and copied due to plant confidentiality requirements. Also, the code should be specified.
- 24- Article 7.1 and 10.1 of the painting procedure document *** is conflicted. 7.1Aluminum, copper, brass and all other non-ferrous metal should not be painted, while in 10.1 the aluminum coupling guard is required to be painted and the film thickness is specified.
- 25- The drawing number in the procedure document (***) is wrong. The drawing check in 10.2(Painting specification for interior surface of compressor where is specially specified) of *** (product no *** / ***) painting procedure should refer to DWG: ***& 220-*** . But actual the procedure document stipulates that the drawing check in 10.2 of *** / S painting procedure refer to DWG: ***& 220-*** .
- 26- The upper limit of diaphragm film thickness for ***/***slightly exceeds the standard of painting procedure for item 10.2.
- 27- The inlet and outlet diaphragm channel of the compressors *** (***/***) were checked with RAL9016,which are not meet the requirements of 10.2 Painting specification for interior surface of compressor where is specially required(RAL7038) for *** / S painting procedure. The upper limit of diaphragm film thickness for ***/*** slightly exceeds the standard of item 10.2.
- 28- Compressors of*** and *** are rechecked the clearance between stator and rotor (B7.1) during reassembly after inspection of disassembly and internal coating, but *** did not provide report of clearance. Drawings(111.***& 111.***)can be reviewed at site, but cannot be photographed and copied due to plant confidentiality requirements. Also, the code should be specified.

15. Attachments

No.	Document Title	Document No. and Revision	No. of Pages
1	Att-01 Material reports of ***~47	As Attached	1
2	Att-02 NDT report for ***~*** oil station Pipings	As Attached	32
3	Att-03 *** pipings Hydrostatic test reports	As Attached	8
4	Att-04 Verification certificate	As Attached	3

5	Att-05 MOM	As Attached	2
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16. Inspection Time and Mileage

Inspection Time	3 Man Days	Mileage (Km)	50 km
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17. Photos



1. The hydrostatic pressure test for piping of Regeneration Gas Compressor of product no ***



2. Display value of pressure gauge(product no ***)



3. Display value of pressure gauge (product no ***)



4. The hydrostatic pressure test for piping of Regeneration Gas Compressor of product no ***



5. Display value of pressure gauge(product no ***)



6. Display value of pressure gauge(product no ***)



7.The hydrostatic pressure test for piping of Regeneration Gas Compressor of product no ***



8.Display value of pressure gauge(product no ***)



9. Display value of pressure gauge(product no ***)

10.Pipings Material reports of ***~***



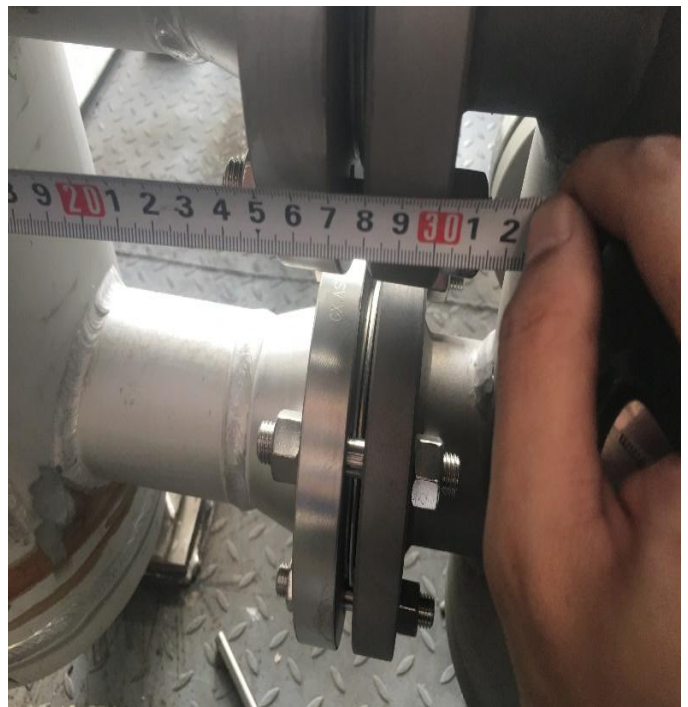
11. Measure the shell height of oil filter for Regeneration Gas Compressor of product no ***



12. Dimension scale(product no ***)



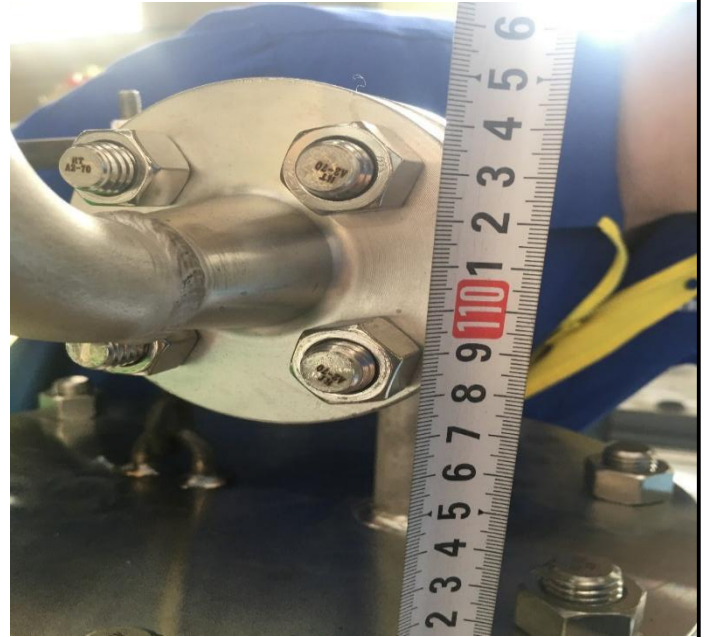
13. Measurement of flange dimension from shell to change over valve (product no ***)



14. Dimension scale (product no ***)



15. Height measurement of oil filter feet(product no ***)



16. Dimension measurement of connecting pipe flange from oil filter foot to gland(product no ***)



17. Painting Inspection of C2+ Regeneration Gas Compressor of product no ***)

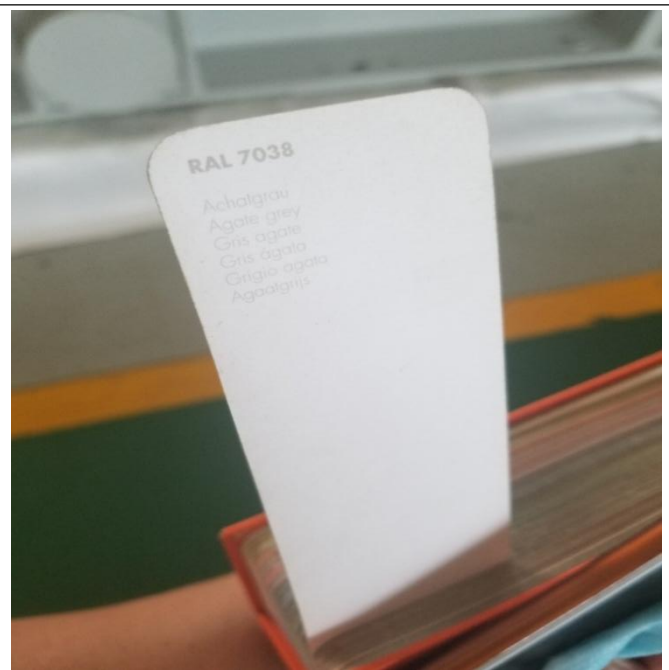


18. Inspection of paint thickness of compressor casing (product no ***)



19. Inspection of paint thickness of base plate(product no ***)

20. The thickness of the paint film on coupling cover is not thick enough and needs to be repainted(product no ***)

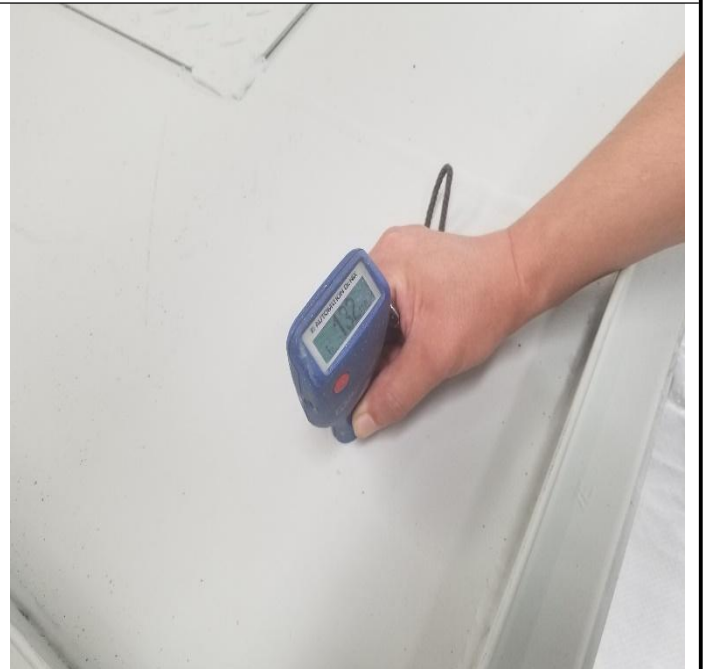


21/22. Color card inspection



23. Contrast check of base color card(product no ***)

24. Contrast check of casing color card(product no ***)



25. Painting Inspection of Regeneration Gas Compressor of product no ***)

26. Inspection of paint thickness of compressor casing (product no ***)



27. Inspection of paint thickness of compressor buttress(product no ***)



28. Inspection of paint thickness of base plate(product no ***)



29. Contrast check of base color card(product no ***)

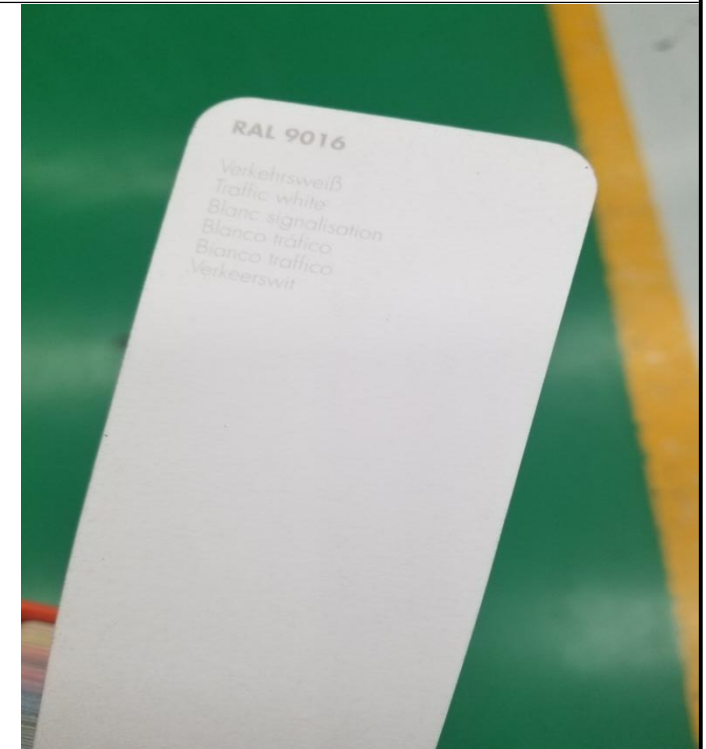


30. Contrast check of casing color card(product no ***)



31. Disassembly and inspection of *** / ***

32. Diaphragm runner paint inspection of *** / ***



33. Comparison of paint and color card (product no ***/***)

34. Color card identification



35. Film thickness measurement of *** / *** diaphragm



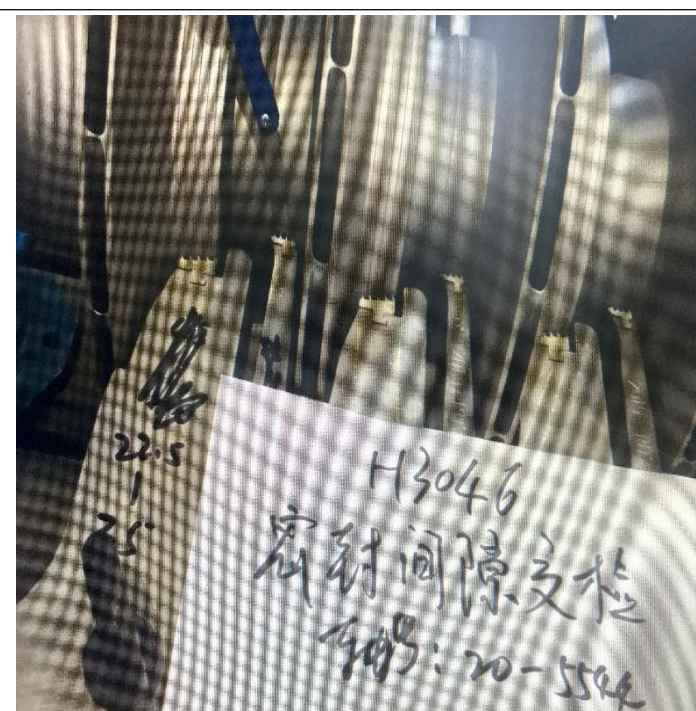
36. Film thickness measurement of *** / *** diaphragm



37. Rust proof inspection of bearing box and bearing surface(product no ***/***)



38. Anti rust inspection of rotor surface(product no ***/***)



39. Seal clearance inspection(product no ***/***)

40. Seal clearance inspection(product no ***/***)



41. Rust proof inspection of stator surface(product no ***/***)

42. Rust proof inspection of rotor surface(product no ***/***)



43. Color card identification

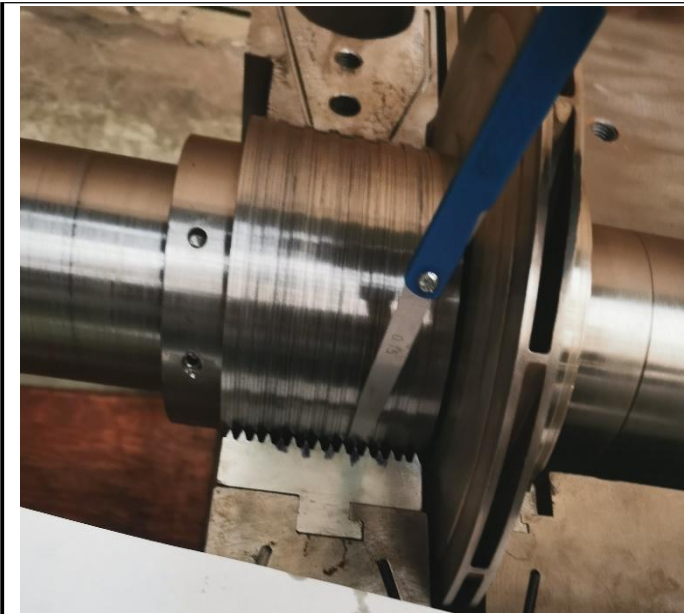
44. Comparison of paint and color card(product no
/)



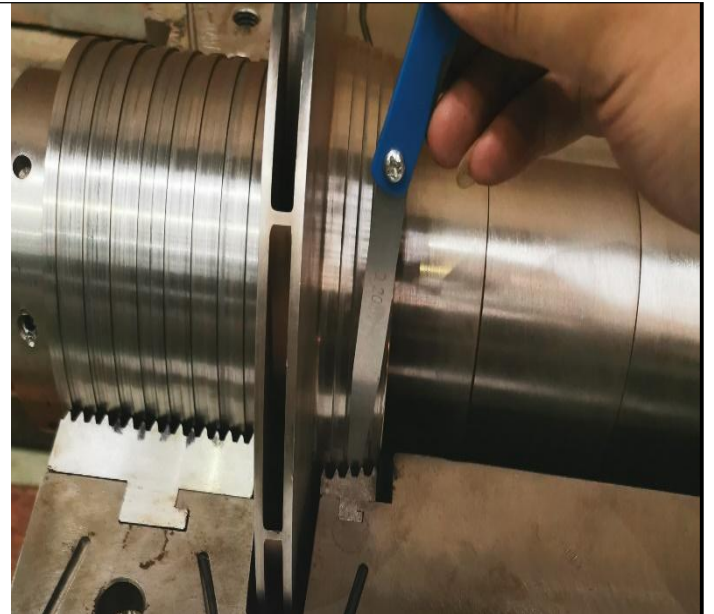
45. Film thickness measurement of *** / ***
diaphragm



46. Film thickness measurement of *** / ***diaphragm



47. Seal clearance inspection(product no ***/***)



48. Seal clearance inspection(product no ***/***)



49. Film thickness measurement of *** coupling cover after repainting



50. Film thickness measurement of *** coupling cover after repainting