



AFFILIATE CODE: F615001
CERTIFICATE NO.: IN-CQ-5301-11001

Page 1 of 2

Date : Sep 23, 2011
Order No. : IN-CQ-5301-11001

INSPECTION CERTIFICATE
(Non-negotiable)

COMMODITY DESCRIPTION

High Vacuum ZYD-100 oil purifier 1 set
IJJ-II-100 BDV tester 2 sets

L/C No.:

NA

BENEFICIARY-NAME & ADDRESS:

CHONGQING ZHONGNENG OIL PURIFIER
MANUFACTURE CO.,LTD
No.101 Torch Ave. Jiulongpo District

SCOPE OF INSPECTION :

1. Visual quality check randomly
2. Quantity check randomly
3. Marking check
4. Running test

DATE & PLACE OF INSPECTION:

Sep. 21st, 2011, Chongqing, China

1. VISUAL QUALITY INSPECTION

VISUAL QUALITY INSPECTION HAD BEEN PERFORMED AND THE DETAILS WERE MENTIONED IN OUR INSPECTION REPORT.

2. QUANTITY CHECK

QUANTITY CHECK HAD BEEN PERFORMED AND THE DETAILS WERE MENTIONED IN OUR INSPECTION REPORT.

3. MARKING CHECK

MARKING CHECK HAD BEEN PERFORMED AND THE DETAILS WERE MENTIONED IN OUR INSPECTION REPORT.

4. RUNNING TEST

RUNNING TEST HAD BEEN PERFORMED AND THE DETAILS WERE MENTIONED IN OUR INSPECTION REPORT.





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CONCLUSION:

OUR INSPECTION REPORT NO.: IN-CQ-5301-11001 DATED Sep 23, 2011, CONTAINS ALL DETAILS OF INSPECTION RESULTS, WHICH HAD BEEN FORWARDED TO BUYER FOR CONFIRMATION AND ACCEPTANCE. BUYER ACCEPTED OUR INSPECTION REPORT ON Sep 23, 2011

THE INSPECTION WAS DONE TO THE BEST OF OUR KNOWLEDGE AND ABILITY AND WITH DUE CARE.

THE ABOVE REFLECTS OUR FINDINGS AT TIME AND PLACE OF INSPECTION. THIS CERTIFICATE DOES NOT RELIEVE SELLER/MANUFACTURERS FROM THEIR CONTRACTUAL LIABILITIES OR PREJUDICE BUYERS' RIGHT FOR COMPENSATION FOR ANY APPARENT AND/OR HIDDEN DEFECTS NOT DETECTED DURING OUR INSPECTION OR OCCURRING THEREAFTER.

THIS CERTIFICATE DOES NOT EVIDENCE SHIPMENT.

FOR AND ON BEHALF OF
SGS-CSTC STANDARDS
TECHNICAL SERVICES CO., LTD

AUTHORIZED SIGNATURE





Inspection Order No. : IN-CQ-5301-11001
Issue date: Sep. 21st, 2011
Page No. : 1 of 7

INSPECTION REPORT

- Description and Quantity of Commodity: High Vacuum ZYD-100 oil purifier 1 set
IIJ-II-100 BDV tester 2 sets

- Name & Address of Buyer: N/A

- Name & Address of Seller: CHONGQING ZHONGNENG OIL PURIFIER MANUFACTURE CO.,LTD

- Inspection Date & Place: Sep. 21st, 2011, at Jiulongpo District, Chongqing city, China

- Order No.: N/A

- Invoice No.: N/A

- Nature of Inspection: 1. Visual quality check randomly
2. Quantity check randomly
3. Marking check
4. Running test
5. Photos

- Inspector: Lucky Wang

This is to report that we, SGS-CSTC Chongqing Branch on Sep. 21st, 2011 at the request of CHONGQING ZHONGNENG OIL PURIFIER MANUFACTURE CO.,LTD conducted the following inspection:

Inspection Finding:

1. Visual quality check randomly:

- The High Vacuum ZYD-100 oil purifier was found to be painted into green smoothly and no visible defects were found on the surface.
- The IIJ-II-100 BDV tester was disassembled into small parts and packed into wooden boxes. No visible defect was found during this visit.

2. Quantity check randomly:

- During this visit, SGS randomly checked the quantity of below commodity as per structure chart provided by manufacturer, the quantity confirmed to the structure chart and the check result was acceptable.
High Vacuum ZYD-100 oil purifier 1 set
IIJ-II-100 BDV tester 2 sets



Important Note
All orders are accepted and all reports and certificates issued subject to the General Conditions of Service
(copy available upon request).

SGS-CSTC Standards Technical Services Co., Ltd.
Industrial Services

3/F, 1st Building, No.386, Jiangdong North Road, Ningbo, China 315040
t: +86(0)574-8776 7006 f +86(0)574 8776 8122 www.sgscstc.com

Member of the SGS Group (Société Générale de Surveillance)



3. Marking check

Marking of the oil purifier list as below:

DOUBLE-STAGE VACUUM TRANSFORMER OIL PURIFICATION SYSTEM
MODEL:ZYD-100 **FLOW RATE:100L/MIN**
WORKING PRESSURE:≤0.3MPA
WORKING VACUUM:-0.08~-0.098MPA
POWER:400V,50HZ,3PHASE
TEL:0086-23-68681152 **FAX:0086-23-68060921**
CHONGQING ZHONGNENG OIL PURIFIER MANUFACTURE CO., LTD

4. Running test:

4.1 Security test:

- Emergency stop: Press the emergency stop button in emergency condition, the whole machine stop working immediately to protect operators and avoid any damage happens. The result was acceptable.

4.2 General function test:

-Before the purifier started working, the manufacturer sampled a glass of polluted oil and measured the breakdown voltage. The breakdown voltage was lower than the acceptable breakdown voltage.

- Then the manufacturer started the purifier and kept the purifier working for about 45mins. During this process, the purifier worked steady and smoothly. No unusual noise or vibration happened during this period.

-After that, the manufacturer sampled another glass of finished-purification oil and measured the breakdown voltage again. The breakdown voltage was higher than the acceptable voltage. The check result was acceptable.

descriptions	Stirring time	Settle time	Breakdown test value(KV)						Average value	Required (KV)	Res
			1	2	3	4	5	6			
Oil before purified	15s	60s	22.1	29.5	15.2	32.1	24.7	31.5	25.8	≥80	N/
Oil after purified	15s	60s	85.6	86.1	81.7	84.1	80.4	89.8	84.6		Acc

Note:

1. Before breakdown test started, the manufactured prewashed the glass with waiting-test oil carefully.

5. Photos



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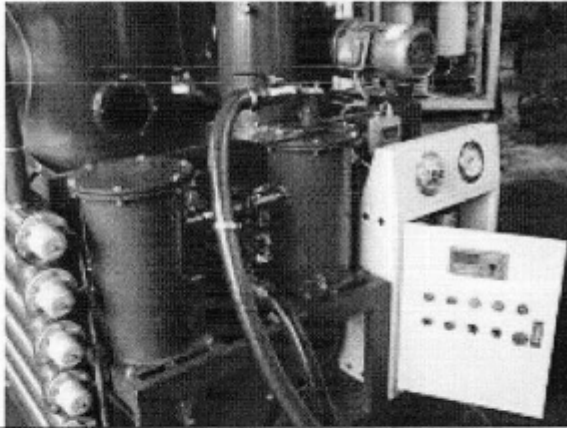


Photo 1. ZYD-100 oil purifier

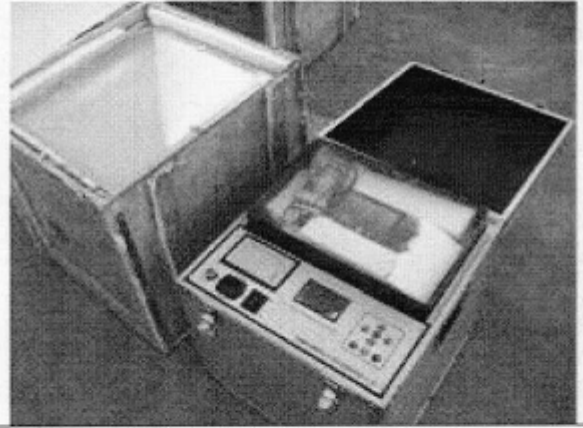


Photo 2. IJ-II-100 BDV tester

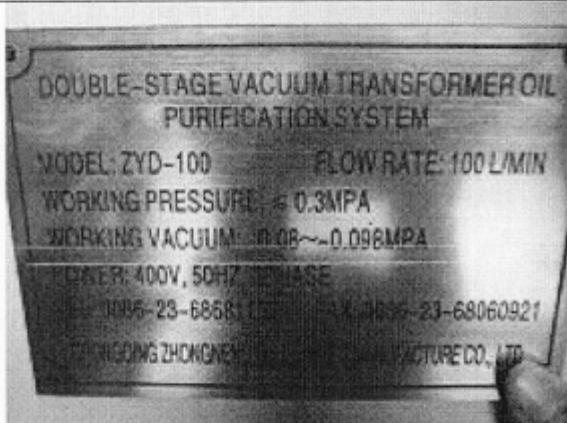


Photo 3. Purifier nameplate



Photo 4. Three phase motor



Photo 5. Roots Vacuum Booster



Photo 6. Flow rate gauge

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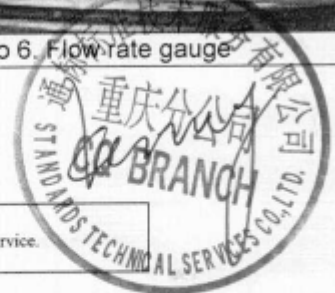




Photo 7: Vacuum pump

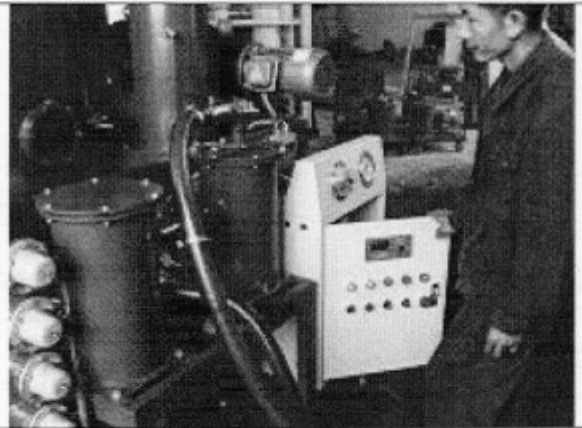


Photo 8: Purifier started working

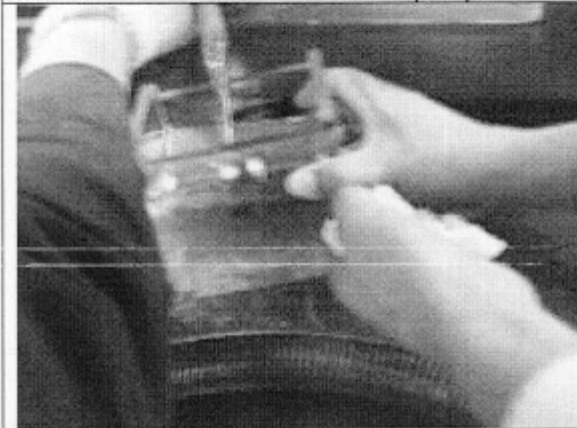


Photo 9. sample oil before filtering(Dirty oil)



Photo 10: breakdown tester preset

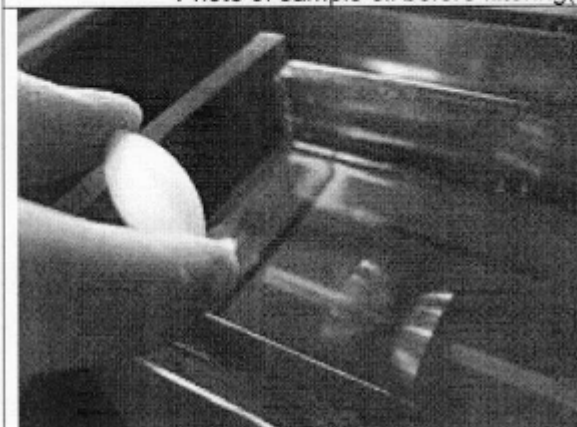


Photo 11. Stir tool ready

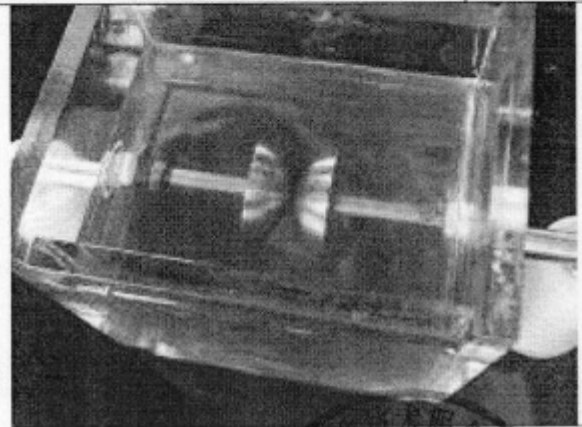


Photo 12. breakdown test in processing(Dirty oil)

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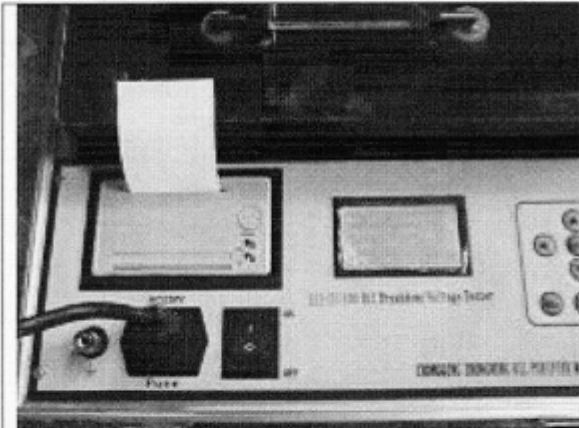


Photo 13. breakdown test finished and test result printed(Dirty oil)

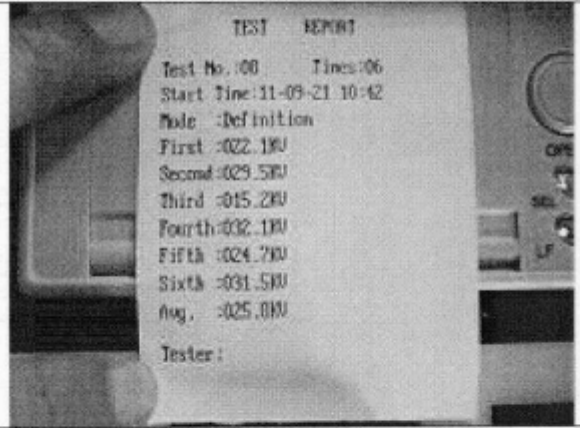


Photo 14. test result via printer(Dirty oil)



Photo 15. Safety oil temperature preset

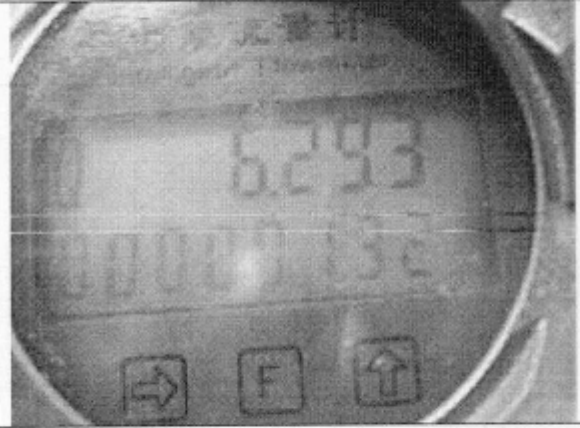


Photo 16. Timely flow rate(m3/h)

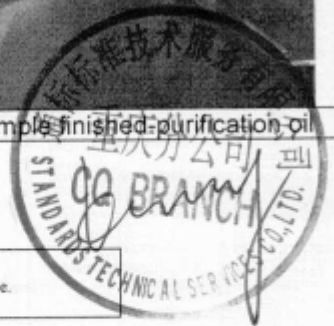


Photo 17. Timely oil temperature



Photo 18. Sample finished: purification oil

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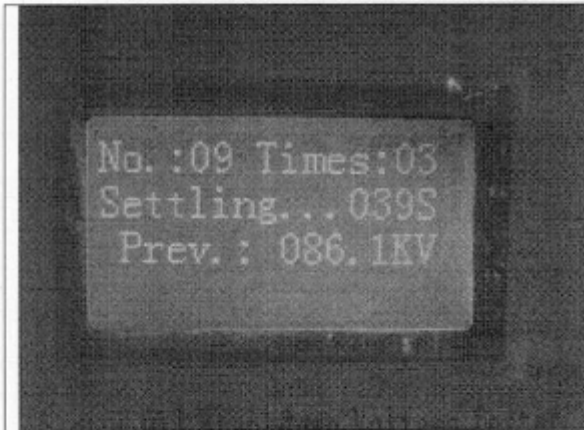


Photo 19. breakdown test in processing

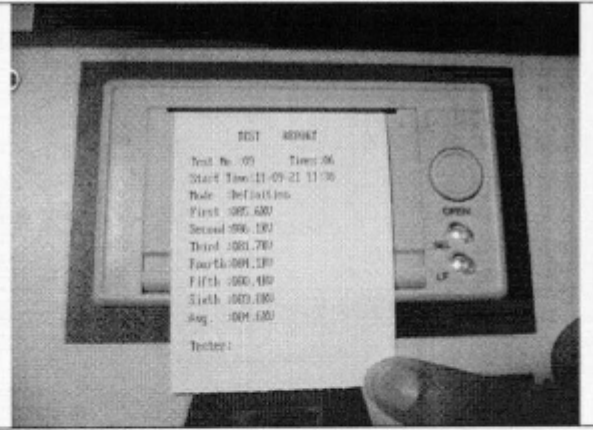


Photo 20. Breakdown test result(purified oil)

Inspector Name: Lucky Wang (Sep. 21st, 2011)

Used for Inspection	Date	Working Hours	Over Time
	Sep. 21 st , 2011	6	0
Total time charged		6	0

Remarks

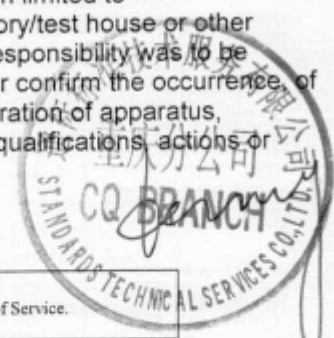
1. This report only reflects our findings at time and place indicated above only and does not refer to any other matters.
2. This inspection has been carried out to the best of our knowledge and ability and our responsibility is limited to the exercise of reasonable care.
3. All orders are accepted and all reports and certificates issued subject to the General Conditions of Service. (copy available upon request)

Issued by
Lucky Wang
Inspector
Industrial Services
SGS-CSTC Chongqing office
Sep. 21st, 2011

Reviewed by
John Zhao
Section Manager
Industrial Services
SGS-CSTC Wuhan office
Sep. 21st, 2011

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