



UZTEL S.A.

OILFIELD EQUIPMENT MANUFACTURING AND REPAIRS

Str. MIHAI BRAVU 243 , cod 100410, PLOIESTI, PRAHOVA-ROMANIA

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FISCAL CODE 1352846, R.C. PLOIESTI NO. J29/48/1991 web site: www.uztel.ro

IN REORGANIZARE JUDICIARA

IN JUDICIAL REORGANISATION

EN REDRESSEMENT

CERTIFICATE OF CONFORMITY AND GUARANTEE

No. 938 DATE May 25, 2015

S.C. UZTEL S.A., Ploiesti-Romania, certifies that the product :

<i>REPAIRED</i>	<i>Quantity</i>	<i>Serial No.</i>
1. 7 1/16"x 350 bar (5000 PSI) SHAFFER PREVENTER	<i>1 pc.</i>	<i>A 848</i>

(name, type, model, charge or serial no.)

manufactured under contract (order) no. *M 418* date *03.03.2015*, buyer: *ABB BUSINESS CONCEPT LUGOJ* is in accordance with the contractual technical specifications, and the followings standards, norms :

API 16A, 3rd Edition, June 2004

(name and / or no. and issuing date of standards or other documents)

The products meet the following requirements :

This is to certify that the above equipment(s) has been Repaired / Remanufactured to meet the requirements of API and /or UZTEL specifications (where applicable) and with your order requirements

Manufacturing date: May 25, 2015

This certificate guarantees quantity , quality and proper operation of the above products.

Guarantee period :

* from the commissioning date *max. month*

* from the delivery date , no more than *max. month*

Dipl. Eng. Serban Gruescu
Management Representative

Dipl. Eng. Cristina Bobescu
Head of QM Department

WARRANTY

1. All UZTEL's (the Seller) products are guaranteed against defects of material and workmanship .
2. The warranty is granted for the specified period of time , but no more than maximum 9 months from the delivery date or 6 months from putting into service. This warranty is expressly in lieu of all other warranties , express or implied , under contract or otherwise. Additional warranties are granted only by written decision of UZTEL's top management.

In case the equipment (product) contains items having smaller service life or a useful life cannot be expressly guaranteed (wear parts, greasing materials, lubricators, etc.), the warranty doesn't cover the replacement (supply) of these items unless the Buyer wants to order them separately or has a servicing contract for this kind of items

3. The warranty is granted only for those products/services for which the contractual established conditions have been observed and/or for the specified requirements in applicable documents (maintenance and repair instructions, technical books , user manuals , specifications, norms etc.)
The Buyer must give proof (document) that the products and equipment have been used under proper conditions , the same they have been designed and manufactured for, and that there is no infringement by:
 - use to other working parameters than specified and guaranteed (pressure, temperature, flow, speed, working fluid, voltage, etc.);
 - improper or handling, mounting or operating ;
 - improper transport , storage or stockade ;
 - exposable to chemical agents or working fluids, others than those for which the equipment was intended for ;
 - exposable to light and temperature in excess ;
 - improper maintenance.
4. Warranty is not granted to those products submitted to changes without the Seller's written approval. Changes means any interventions to products or equipment, such as :
 - compounds replacement, matching, protective coating, welding, grinding, heat treatment, painting, etc.
5. Warranty is granted only to the original Buyer and it's valid for the zone and contractual conditions stipulated for the products delivery.
6. The Seller's liability shall be limited to repairing , replacement , remanufacturing or discounting of supplied products and services and it doesn't cover other prejudices caused, deducted or implied ,such as:
 - expenses for transportation interruption ;
 - penalties for delay in delivery or putting into service ;
 - examinations, analysis without the seller's written acceptance.Warranty is limited to those expenses related to repairing or replacement by a similar product and to the product transportation from and to the original Buyer and the original buying zone.
7. No product or equipment returned to the manufacturer shall be accepted to be paid (discounted) without the previous written approval of the Seller.
8. The Seller shall not be liable to the Buyer for any loss or damage suffered by the Buyer or for any delay in delivery as a result of force major situations such as : natural disasters, flood, earthquake, fire, wars, embargo, government local restriction expropriation, interruptions of transportation, power failure, accidents, explosions,etc.
9. UZTEL's warranty for compounds manufactured by suppliers is limited to sub-suppliers' warranty the responsibility for these items guarantee being transferable .
10. If a default occurs ,during the warranty period ,the original Buyer must inform by phone UZTEL's Management / Technical Quality Control Compartment / Quality Assurance Compartment within 48 hours , and then notify in written within 7 working days , the following data:
 - technical data of the damaged compound;
 - identification data of the product (order, serial number, date of manufacture, no of quality certificate);
 - location (address) where product is damaged equipment;
 - the Buyer's contact representative;
 - probable cause of default.

OBSERVATION SHEET FOR REPAIRING No. A 848
7 1/16" x 350 bar (5000 PSI) SHAFFER PREVENTER

Order: A 848 SUP	Customer - ABB BUSINESS CONCEPT SRL LUGOJ Serial number : A 848
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IT.	DETAIL	DIMENSIONAL CONTROL				REPAIRED REFURBISHED				NDE CONTROL		REPLACED	REMARK
		DESCRIPTION OF COTES (mm)	MEASURED VALUES (mm)	ACCEPTED	REJECTED	EXTENSION	WELDED	MACHINING	RECTIFIED	ACCEPTED	REJECTED		
1	Ø 181,8		Ø 181,8	X									Accepted
	115		116		X	X	X	X		X			Accepted
	1 3/8 - 8 UN		REJECTED		X	X	X	X					Accepted
	SEALING CHANNEL R 46		REJECTED		X				X	X			Accepted
2	CYLINDER	Ø 165,11	Ø 165,11	X									Accepted
3	PISTON	Ø 163,58	Ø 163,58	X									Accepted

TECHNOLOGIST
NAME/SIGNATURE
BONCIU DUMITRU

QUALITY/CONTROL
NAME/SIGNATURE
TARTAGUTA MARICEL



**PRESSURE TEST CERTIFICATE/
CERTIFICAT DE INCERCARI
LA PRESIUNE**

No/Nr.

576

Date/
Data:

14.05.2015

Page. / Pag. 1 of/ din 1

Customer/ Beneficiar:
ABB BUSINESS CONCEPT LUGOJ

Order No./Comanda:
M 557/20.03.2015

PRODUCT / PRODUS	STANDARD	SERIAL NUMBER / SERIEFABRICATIE	QTY [Pcs]/ Cant./ Buc]
7 1/16"x 350 bar (5000 PSI) SHAFFER PREVENTER	API 16A TP 030	A 848	1

COMPONENT/ COMPONENTA	TEST	TEST PARAMETERS / PARAMETRII TESTULUI				TEST RESULTS REZULTATUL TESTULUI			
		PRESSURE PRESIUNE [bar/ bar]		DURATION, DURATA [minutes /minute]					
		Prescribed Prescrisa	Performed Realizata	Prescribed Prescrisa	Performed Realizata				
Preventer body / Corp prevenitor	Hydrostatic test / Test hidrostatic de rezistenta	-	-	-	-	No visible leakage under test pressure, during each holding period. /			
		-	-	-	-				
Action body Corp actionare	Hydrostatic test / Test hidrostatic de rezistenta	-	-	-	-				
		-	-	-	-				
Preventer Dimension ram (in): Prevenitor Dimensiune bac (in): 0	Hydrostatic Test seal rams * Action Pressure / Test hidrostatic de etansare a bacurilor *Presiune actionare	14-21	17	10	10				
		350	359	10	10				
		* 103÷114	106	-	-				
Preventer Dimension ram (in): partial / Prevenitor Dimensiune bac (in): partial 2 7/8"	Hydrostatic Test seal rams * Action Pressure / Test hidrostatic de etansare a bacurilor *Presiune actionare	14-21	18	10	10		Nu s-au semnalat scurgeri pe intreaga perioada a testului.		
		350	365	10	10				
		* 103÷114	106	-	--				
Preventer without test mandrel / Prevenitor fara dorn de proba	Hydrostatic Test seal rams * Action Pressure / Test hidrostatic de etansare a bacurilor *Presiune actionare	-	-	-	-				
		-	-	-	-				
Drift test / Proba cu dorn				Admitted/ Admis	A	Reject/ Respins		N/A	
Drift Diameter/ Diametrul dornului de proba: 73.5mm									
Pressure Test Method /Metoda de testare la presiune: according to/ conform cu API 16A and / si TP 030									
Testing fluid / Fluidul de testare: water / apa									
Action Testing fluid / Fluidul de actionare: oil/ ulei									
Acceptance criteria / Criterii de acceptare : no leakage / lipsa scurgeri									

TEST RESULTS / REZULTATUL TESTELOR : ☒ ADMITTED / ADMIS

☐ REJECT / RESPINS

Test reports and certificates checks/ Rezultatele testelor si verificarilor certificate de::

CTC INSPECTOR - Name / signature/ INSPECTOR CTC - Nume / semnatura	OPERATOR - Name / signature OPERATOR - Nume / semnatura
Eng. Georgescu Narcizel	Georgescu Marian



SC UZTEL SA PLOIESTI ROMANIA

UZIEL PRESSURE TEST - CERTIFICATE APPENDIX

RESULT

☐ ACCEPT

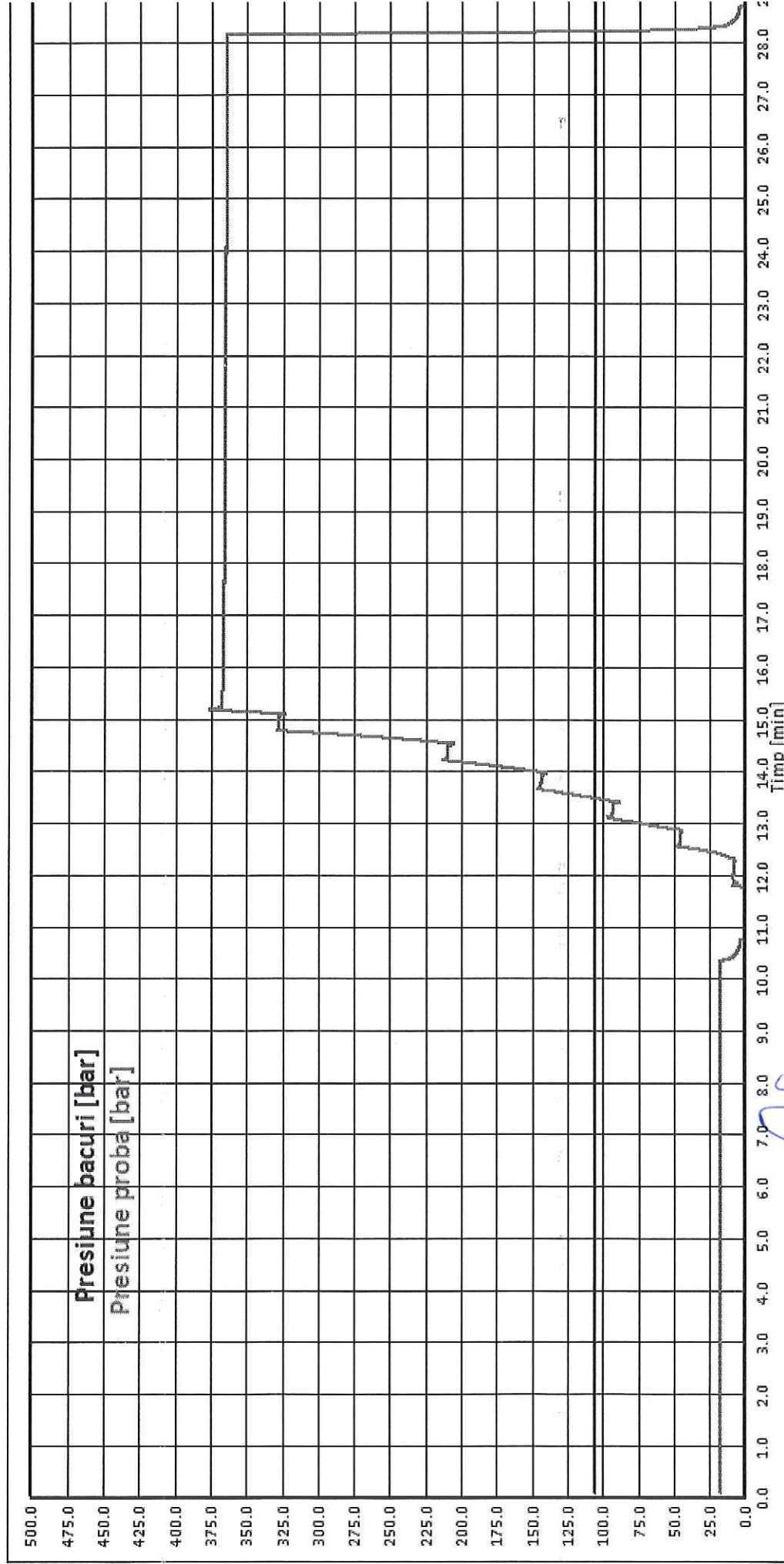
☐ REJECT

Type of:

Serial no: A848

Pressure test method:

Pressure diagram for: A848 start time on 14.05.2015 at 08:52 for: 0 hours 28.0 min 47.4 sec



Inspector AQ:

Ing. Georgescu Narcizel

NOTE:

PREVENITOR DE 7 1/16X5M TIP SHAFFER ETANSARE BAC 2 7/8

Operator:

GEORGESCU M



print : 19-May-15 13:45:45

File name : Cda A848 01



SC UZTEL SA PLOIESTI ROMANIA PRESSURE TEST - CERTIFICATE APPENDIX

RESULT

☐ ACCEPT

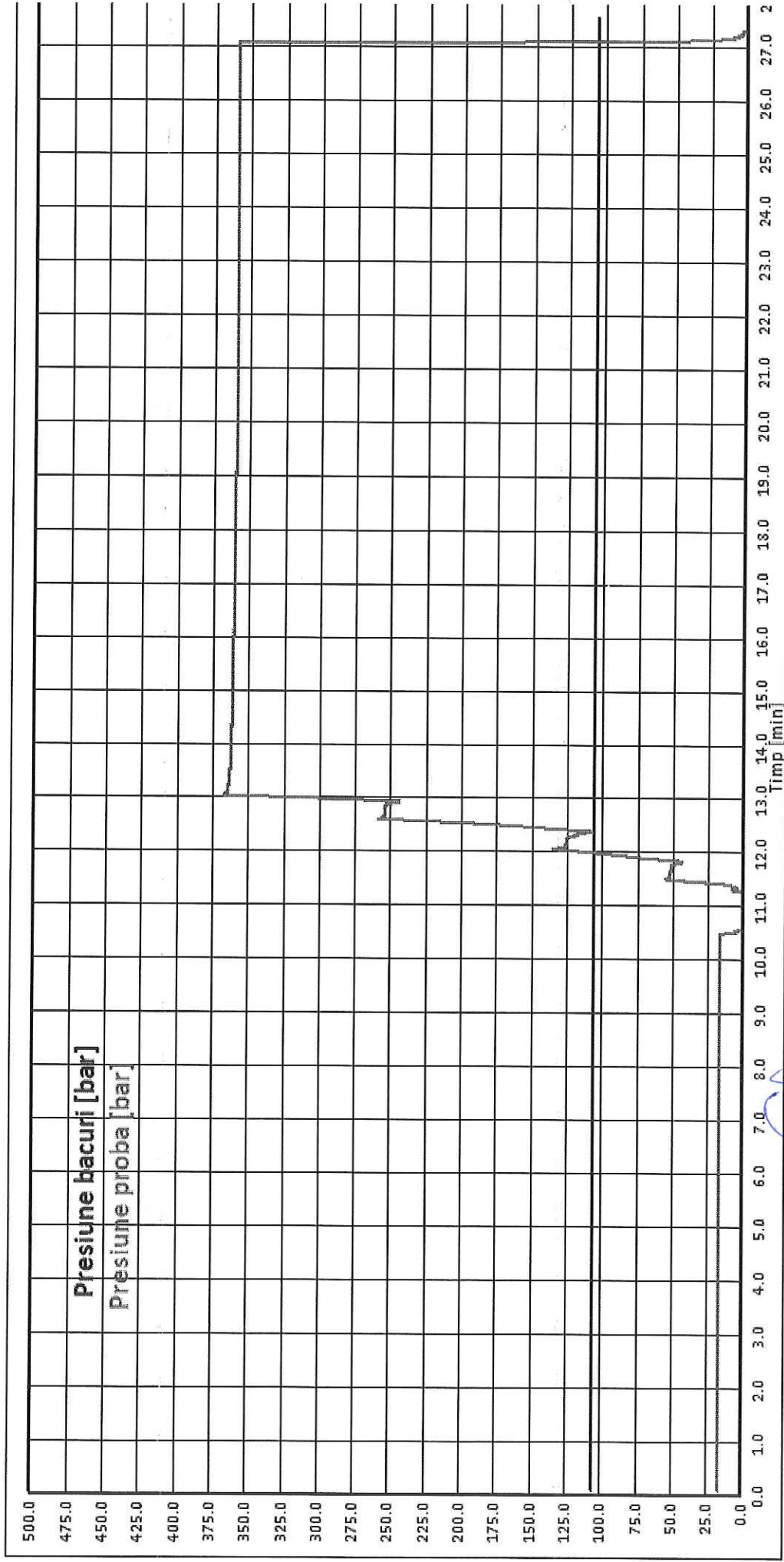
☐ REJECT

Type of:

Serial no: A848

Pressure test method:

Pressure diagram for: A848 start time on 14.05.2015 at 08:07 for: 0 hours 27.0 min 32.9 sec



Inspector AQ: Ing. Georgescu Narcisel

Operator: GEORGESCU M

NOTE: PRESENTED FOR DEZ 1/16X5M TIP SHAFFER ETANSARE BAC TOTAL



DATE DE IDENTIFICARE / IDENTIFICATION DATA

COMANDA : M 557/20.03.2015 ORDER:	ANSAMBLU / 7 1/16"x 350 bar (5000 PSI) ASSEMBLY/ SHAFFER PREVENTER
DESEN / DRAWING:	REPER / ITEM:
SERIA NR. / A 848 SERIAL NO:	NR. BUC. / 1 NO. PCS.:

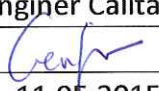
PROCEDURA APLICABILĂ /
APPLICABLE PROCEDURE: Q-00004 and TC -015 ; Examinare vizuala /Visual Examination
**TEHNICA DE EXAMINARE VIZUALĂ /
VISUAL EXAMINATION TECHNIQUE:**

 DIRECTĂ / DIRECT **X**
 INDIRECTĂ / REMOTE

**INSTRUMENTE UTILIZ. /
EXAMINATION TOOLS:**

LUPA x 5 , OGLINDA / Magnifier, Mirror

Imperfecțiuni / Imperfections *)	Observatii / Remarks	Rezultat / Result
Microfisuri/Seams	Nu sunt /Are not	Accepted
Suprapunerii/Laps	-	-
Fisuri /Craks	Nu sunt /Are not	Accepted
Tunder/Slags	-	-
Lipsa de material / Under fill	Nu sunt /Are not	Accepted
Bavuri / Burrs	-	-
Suturi / Seams	-	-

	EFECTUATĂ DE / PERFORMED BY	APROBAT / APPROVED BY
NUME/NAME	Georgescu Narcizel	Da
FUNCȚIE / POSITION	Inginer Calitate	
SEMNĂTURĂ/SIGNATURE		
DATA/DATE	11.05.2015	



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IN REORGANIZARE JUDICIARA

IN JUDICIAL REORGANISATION

EN REDRESSEMENT

HARDNESS SURVEY

Customer : : ABB BUSINESS CONCEPT LUGOJ
PO number: M 557/20.03.2015
Serial number: A 848
Description: 7 1/16"x 350 bar (5000 PSI) SHAFFER PREVENTER
Quantity: 1 piece

Location	Brinell Hardness [HB]	Accept	Reject
BODY			
Top Flange	197	Yes	
Top Flange Weld	NA		
Bottom Flange Bx 159	197	Yes	
Bottom Flange Weld	NA		
BONNET			
Top Flange	NA		
Top Flange Weld	NA		
Bottom Flange R 74	NA		
Bottom Flange R 74 Weld	NA		
PISTON			
External Diameter	NA		
External Diameter Weld	NA		
Bottom Flange	NA		
Bottom Flange Weld	NA		
Inspector Remarks :			

Inspected by: Urse Vasile



Date tested: 24.03.2015



**M.T. Examination Report
No. 1616 Date 08.05.2015**

Product	7 1/16"x350 bar SHAFFER PREVENTER	Pcs.	1
Item	CORP/BODY	Drawing	-
Purchaser	ABB BUSINESS CONCEPT LUGOJ	Part Number	-
PO.	M418/03.03.2015	Material	-

Testing and Reference Procedure: *ASTM E 709; TC-003/B and API 16A*

MAGNETION METHOD	☐ PRODUCT	☒ YOKE	☐ COIL	☐ CENTRAL CONDUCTOR
	Curent Intensity Magnetic Flux Distance Equipment No	Curent. AC Magnetic Flux.- Distance. 200 mm Equipment No. 6245 B 100	Curent. Intensity. Turns. Magnetic Flux. min. Equipment No.	Curent. Intensity. Magnetic Flux. min. Equipment No.

INSPECTION METHOD : *ASTM E 709 , TC-003/B* ☒ WET ☒ FLUORESCENT

POWDER. MR 76 F SUSPENSION IN : ☒ OIL ☐ WATER
Sr.No.B:76F/106 1A TRADE MARK: MR CHEMIE-GMBH

BLACK LIGHT INTENSITY: 7300 $\mu\text{W}/\text{cm}^2$ Type :Uv Spot – No. 4919

CLEANING METHOD: Diluent:Sr.No.B:85/1028A

DEMAGNETIZATION: N/A

EXAMINATION WAS MADE *BEFORE* / *AFTER* HEAT TREATMENT

EXAMINATION WAS ☐ Proof machined ☐ Semi finished ☒ Fully machined

SKETCH OF WORK PIECE	HEAT No.	SERIAL No.
 CONTROLAT CANALE ETANSARE	=	A 848

Recordable Indications :		
☒ No ☐ Yes		
Results: ☒ Accepted/ According to TC-003/B and API 16A	☐ Rejection	
Q.C.Examiner/Examinator Level/Nivel -II	Name	Signature
Checked By/Sef Laborator Level/Nivel -II	Crisu Corneliu	Eng.Dumitru Victor Gheorghe
	Ing.Dumitru Victor	3130 - UT2 / 3132 - MT2 / 3131- PT2



P.L. Examination Report
No. 312 Date 08.05.2015

1. General

Product	7 1/16"x350 bar SHAFFER PREVENTER	Pcs.	1
Item	CORP/BODY	Drawing	
Purchaser	ABB BUSINESS CONCEPT LUGOJ	Part Number	-
PO	M418/03.03.2015	Material	-
Testing and Reference Procedure: ASTM E 165; TC-004/B and API 6A			

2. Examination performance conditions:

- Type (producer) of penetrant liquid used: MR CHEMIE-GMBH
-MR 311 Dye Penetrant
-MR 70 Developer
- Ambiant temperature: 18° C
- Temperature of examined item: 15° C
- Manner of item cleaning: special cleaner MR 85
- Time of: - penetration 15 min.
- emulsifying N/A
- developing 15 min.
- Method of cleaning (removal of penetrant in exces): Cleaning with water
- Type of black-light lamp: N/A

3. EXAMINATION WAS MADE BEFORE/AFTER HEAT TREATMENT
BEFORE / AFTER WELDED

4.

Results: ☒ Accepted/According to API 6A; TC-004/B	☐ Rejection
---	------------------------------------

5.

SKETCH OF WORK PIECE	HEAT No.	SERIAL No.
CONTROLAT CANALE ETANSARE THE CONTROL OF SEALING CHANNELS		A848
Q.C.Examiner/Examinator Level/Nivel -II Checked By/Sef Laborator Level/Nivel -II	Name Crisu Corneliu	Signature Eng. Dumitru Victor Gheorghe Level II / SNT TC-1A / UT / MT / PT 3130 - UT2 / 3132 - MT2 / 3131 - PT2
	Ing. Dumitru Victor	

Certificate of Progress and Completion of Painting

Work Order No.: 28653

Buyer : ABB BUSINESS CONCEPT LUGOJ

Coating System: PL-7.5.05.1 rev.0 and AP-025 rev.A

Equipment Description: 7 1/16"x350 bar (5000 PSI) SHAFFER PREVENTER - repaired

Serial No: A 848

Surface preparation

Blast Specification

Anchor Profile (µm)

Type of abrasive

Date:	18.05.2015
Start Time	10 ⁰⁰
Stop Time	10 ³²
Sa 2,5	✓
Average	50
Shot	✓

[Signature]

18.05.2015

Date:

Inspector Signature

Monitoring											
Coat	Coating applied	Colour	Batch Number	Ambient temp, °C	Substrate temp, °C	Relative Humidity, %	Dew point, °C	Date	Required DFT, µm	DFT Reading, µm	Average reading, µm
1st	16441 UniBar ZF Universal	Grey	16441-7035- A:2015104010071 B:20065417	24	19	49	13	18.05.2015	40-60	60-90	78
2nd	Bariline Coatings Semigloss E541	Red (RAL 3020)	10443-0302 20153130085	24	19	50	12	19.05.2015	50-60	135-185	155

We hereby certify, that the above works have been completed and are accepted.

Chief of HSEQ Management Dept

Inspector name:

Inspector name:

ing. C. Asbesiu
ing. N. Georgescu
ing. D. Anghel

Signature

[Signature]

Date

20.05.2015

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.1
	SHAFFER DOUBLE RAM BOP 7 1/16" x 5000 psi	Content pag. 10
		Reparation N ^o . : A848 SUP

S.C. „UZTEL” – S.A.
PLOIESTI

PASSPORT
for

SHAFFER DOUBLE RAM BOP 7 1/16" x 5000 psi

Reparation N^o : A848 SUP

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.3
	SHAFFER DOUBLE RAM BOP	Content pag. 10
	7 1/16" x 5000 psi	Reparation N°. : A848 SUP

Main technical features			
Unit destination:		The hydraulic horizontal double ram blowout preventer are wellhead equipments designed to close the well and prevent free blowouts	
1. Symbol		7 1/16 x 5000 psi	
2. Typ		Plate, horizontal, double, hydraulic acting	
3. Bore size		7 1/16" (182 mm)	
4. Working pressure		5000 psi	
5. Service		-	
6. Ring groove (top)		R46	
7. Ring groove (bottom)		R46	
8. Closing Ration		5.45:1	
12. Liquid volume for hydraulic acting one par rams		1,45 / 1.18 gal.	
OVERALL DIMENSIONS			Weight
Length	Width	Height	
59 in	30 in	3 in	2,504 lbs



S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.4
	SHAFFER DOUBLE RAM BOP	Content pag. 10
	7 1/16" x 5000 psi	Reparation N ^o . : A848 SUP

Testing and mounted unit data	
Mounted data	The unit it is assembled in according with Manufactured Drawing
Unit Test (test type, time, loading, bearings temperature etc.)	- Test is in according with requeste of API 16A and TP-030. - Without exceeding the maximum working pressure.
Control department conclusions (assembling and testing)	- Assembly and tests are in accordance with the project and technical requirements of S-TH-001
Label (type and size of the marking)	- Repaired number it is marked on the label

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.5
	SHAFFER DOUBLE RAM BOP	Content pag. 10
	7 1/16" x 5000 psi	Reparation N°. : A848 SUP

Exploitation data		
Accomplished work		
Remarks		
Maxim Support Loading		
Drilling meter		
Drilled Worked	Until depth	
	At depth	
Date	Function out	
	At depth	
Derrick		
Derrick N°		
Remarks: if local situation needs supplementary files will be completed		

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.6
	SHAFFER DOUBLE RAM BOP	Content pag. 10
	7 1/16" x 5000 psi	Reparation N°. : A848 SUP

Exploitation data	
II. Repairs and partial replacements	
Mentions	
Replaced pieces	
Reparation type, cause of the replacement	
Repair plant	
Date	
Mentions: if local situation needs supplementary files will be completed	

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.8
	SHAFFER DOUBLE RAM BOP 7 1/16" x 5000 psi	Content pag. 10
		Reparation N°. : A848 SUP

Proposals and modifications		
- Drawing denomination - details -	Project and drawing deviation (summary draft, approval N° and date)	Signature

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.10
	SHAFFER DOUBLE RAM BOP 7 1/16" x 5000 psi	Content pag. 10
		Reparation N ^o . : A848 SUP

4. Unit behaviour remarks (must be indicated: if unit it is capable for work, if it is complied with projected productivity). The unit compare with are similar unit and specify functions behaviour.

5. Customer desires (about construction, quality, productivity etc.)

Date

Chief e

Signature,

Name,