



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. 171 DATE January 30, 2015

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

<i>REPAIRED</i>	<i>Quantity</i>	<i>Serial No.</i>
<i>1. 21 1/4"x 140 bar (2000Psi) type ANNULAR SHAFFER</i>	<i>1 pc.</i>	<i>A 788 (3667721)</i>

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

manufactured under contract (order) no. *M 2498* date *25.11.2015*, 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: February 23, 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 18 months from the delivery date or 12 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.

 SERVICIUL CTC	CERTIFICAT DE INCERCARI LA PRESIUNE	Nr.	171
		Data:	30.01.2015

Pag.1 din 1

BENEFICIAR: ABB BUSINESS CONCEPT LUGOJ	CONTRACT: M 2498/25.11.2014 FC: 27911
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PRODUS	STANDARD	SERIE FABRICATIE	Buc. [set]
Prevenitor de Eruptie Vertical (Annular) Shaffer 21 1/4"x2M	API 16A TP 030	3667721 – A 788	1

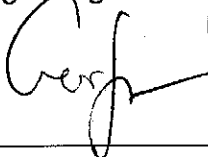
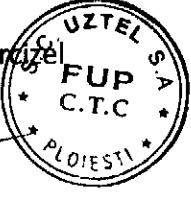
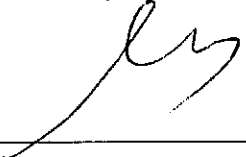
COMPONENTA	TEST	PARAMETRII TESTULUI				REZULTATUL TESTULUI
		PRESIUNE [bar]		DURATA [minute]		
		Prescrisa	Realizata	Prescrisa	Realizata	
Corp prevenitor	Test hidrostatic de rezistenta	-	-	-	-	Nu s-au semnalat scurgeri pe intreaga perioada a testului.
		-	-	-	-	
Corp actionare	Test hidrostatic de rezistenta	-	-	-	-	
		-	-	-	-	
Prevenitor Dimensiune bac (in): 5"	Test hidrostatic de etansare a bacurilor	14-21	17	10	10	
		140	142	10	10	
	*Presiune actionare	70 [bar]				
Prevenitor Dimensiune bac (in): partial	Test hidrostatic de etansare a bacurilor	-	-	-	-	
		-	-	-	-	
	*Presiune actionare					
Prevenitor fara dorn de proba	Test hidrostatic de etansare a bacurilor	-	-	-	-	
		-	-	-	-	
	*Presiune actionare					

Metoda de testare la presiune : conform cu API 16A si TP-030
Fluidul de testare : apa
Fluidul de actionare : ulei

REZULTATUL TESTELOR : ☒ ADMIS

☐ RESPINS

Rezultatele testelor si verificarilor certificate de:

INSPECTOR CTC -Nume / semnatura Ing Georgescu Narcizel  	OPERATOR - Nume / semnatura Georgescu Marian 
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 CTC DEPARTMENT	PRESSURE TEST CERTIFICATE	No.	171
		Date:	30.01.2015

Page.1 of 1

Buyer: ABB BUSINESS CONCEPT LUGOJ	Contract no.: M 2498/25.11.2014
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PRODUCT	STANDARD	SERIAL NUMBER	Pcs. [set]
Annular Shaffer 21 1/4" x 140 bar – repaired	API 16A TP 030	3667721 – A 788	1

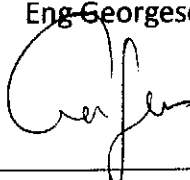
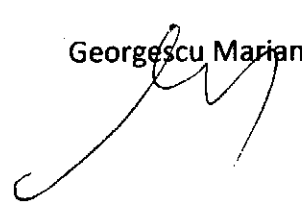
COMPONENT	TEST	TEST PARAMETERS MINIMUM				TEST RESULTS
		PRESSURE [bar]		DURATION, [minutes]		
		Prescribed	Performed	Prescribed	Performed	
Preventer body	Hydrostatic test	-	-	-	-	No visible leakage under test pressure, during each holding period.
		-	-	-	-	
Action body	Hydrostatic test	-	-	-	-	
		-	-	-	-	
Preventer Dimension ram (in): BLIND RAM	Hydrostatic Test seal rams * Action Pressure	-	-	-	-	
		-	-	-	-	
Preventer Dimension pipe rams (in): 5"	Hydrostatic Test seal rams	14-21	17	10	10	
		140	142	10	10	
	*Action Pressure	70 [bar]				
	Pressure Test Method : according to API 16A and TP-030 Testing fluid : water Action Testing fluid : oil					

TEST RESULTS :

☒ ADMITTED

☐ REJECT

Test reports and certificates checks:

CTC INSPECTOR - Name / signature Eng Georgescu Narcizel  	OPERATOR - Name / signature Georgescu Marian 
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SC UZTEL SA PLOIESTI ROMANIA

UZTEL PRESSURE TEST - CERTIFICATE APPENDIX

RESULT

☒ ACCEPT

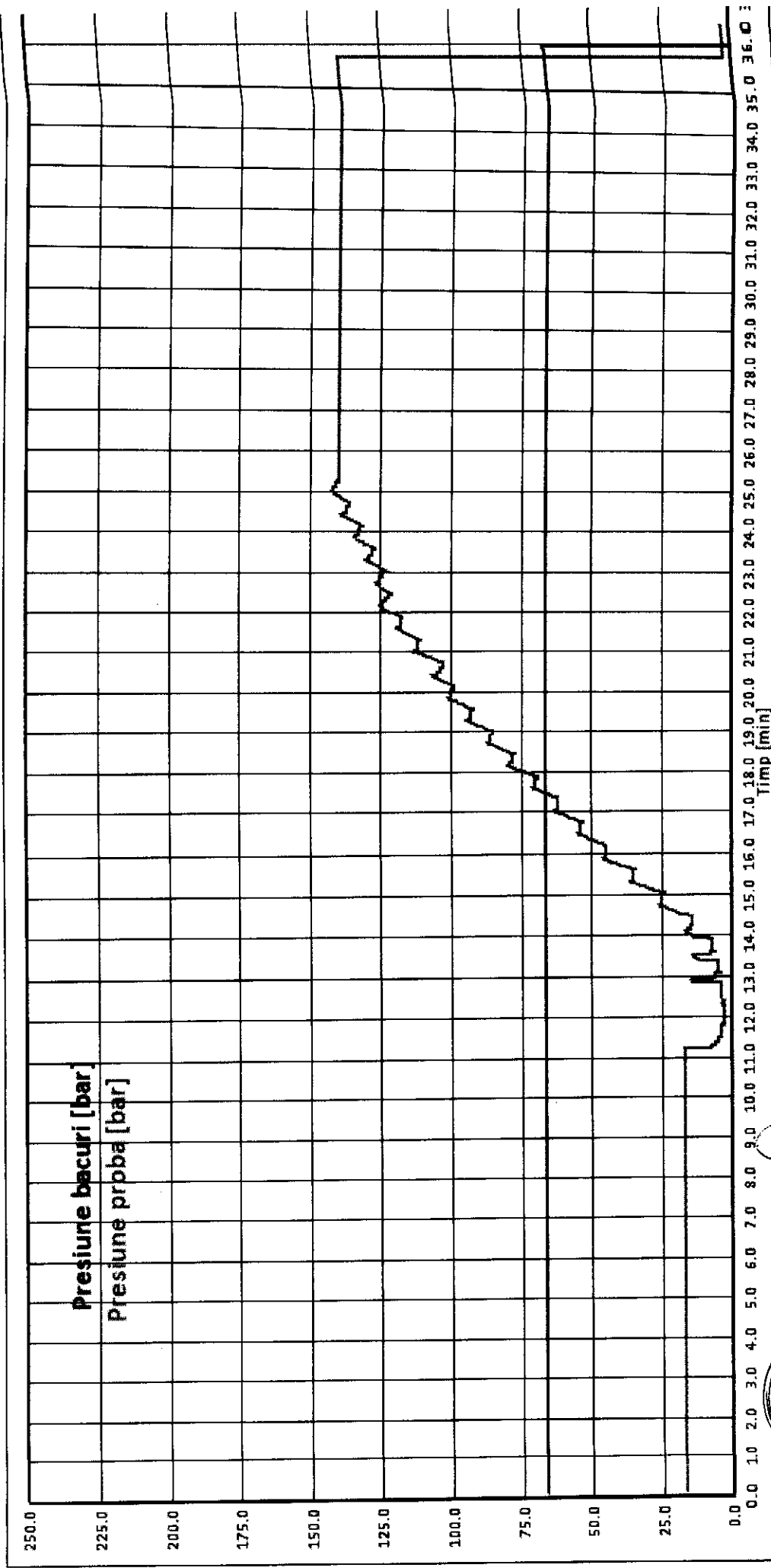
☐ REJECT

Type of:

Serial no: SR 3667721 - A 788

Pressure test method:

Pressure diagram for: SR 3667721 - A 788 start time on 30.01.2015 at 13:09 for: 0 hours 36.0 min 16.0 sec



NOTE:

Inspector AQ: Georgescu Narcizel

PREVENITOR VH 21 1/4 X 2M

Operator: GEORGESCU M

Operator:

print : 17-Feb-15 12:53:54

File name : SR 3667721 00



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IN REORGANIZARE JUDICIARA

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EN REDRESSEMENT

HARDNESS SURVEY

Customer : : ABB BUSINESS CONCEPT LUGOJ

PO number: M 2498/25.11.2014

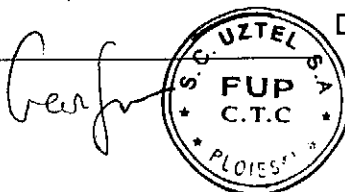
Serial number: 3667721 - A 788

Description: .Annular Shaffer 21 1/4"x2M

Quantity: 1 piece

Location	Brinell Hardness [HB]	Accept	Reject
BODY			
Top Flange	NA		
Top Flange Weld	NA		
Bottom Flange R 73	223	Yes	
Bottom Flange Weld	NA		
BONNET			
Top Flange	192	Yes	
Top Flange Weld	197	Yes	
Bottom Flange R 74	NA		
Bottom Flange R 74 Weld	NA		
PISTON			
External Diameter	219	Yes	
External Diameter Weld	210	Yes	
Bottom Flange	NA		
Bottom Flange Weld	NA		
Inspector Remarks :			

Inspected by: Urse Vasile



Date tested: 27.01.2015

OBSERVATION SHEET FOR REPAIRING NO. /FEBRUARY /2015
ANNULAR PREVENTER VH 21 1/4 - 2000 TYPE SHAFFER

Order: A788SUP

Customer: ABB - LUGOJ
 Serial Number:

Item	Detail	Dimensional Control				NDE Control		Repaired / Refurbished				Replaced	Remarks
		Description of Cotes (mm)	Measured values (mm)	Accepted	Rejected	Accepted	Rejected	Extension	Welded	Turning	Rectified		
1	Body	Sealing channel	R 73	X		X					X		Accepted
		Ø 1092,3	Ø 1092,3	X									polishing
		Ø 666	Ø 711 - 0,3 - 0,4					X	X	X			Accepted
		Ø 1091,5 x 98	Ø 1091,5 x 98	X									Accepted
2	Piston	Ø channels	Ø 1051,5 x 12,7	X									Accepted
		Ø 909,19	Ø 913,19					X	X	X			Accepted
		Sealing channel	R 74			X		X	X	X			Accepted
3	Bonnet	Thread	15/8" - 8UN						X	X			Threaded placed
		Lifting device				X		X					Accepted
4	Ring	Ø 1125 X Ø 913,6 X 100		X									Accepted

Technologist
 Name/ Signature

Quality Control
 Name/ Signature



M.T. Examination Report **No. 63 Date 26.01.2015**

Product	ANNULAR SHAFFER 21 1/4"x2M	Pcs.	1
Item	CORP/BODY	Drawing	-
Purchaser	ABB BUSINESS CONCEPT LUGOJ	Part Number	-
PO.	M 2498/25.11.2014	Material	FC 27911
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.
INSPECTION METHOD : ASTM E 709 , TC-003/B		☒ WET	☒ FLUORESCENT
POWDER. MR 76 F Sr.No.B:76F/106 1A		SUSPENSION IN : ☒ OIL ☐ WATER TRADE MARK: MR CHEMIE-GMBH	
BLACK LIGHT INTENSITY: 27300 μ W/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. FC 27911	SERIAL No. 3667721.
CONTROLAT CANALE ETANSARE			
Recordable Indications :			
☒ No ☐ Yes			
Results: ☒ Accepted/ According to TC-003/B and API 16A		☐ Rejection	
Q.C.Examiner/Examinator Level/Nivel -II		Name Crisu Corneliu	
Checked By/Sef Laborator Level/Nivel -II		Ing.Dumitru Victor	

Eng.Dumitru Victor
Level II / TC-003/B and API 16A
3130-012 / 3132-012 / 3131-PT2

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.1
	SHAFFER ANNULAR BLOWOUT PREVENTER VH 21 1/4 x 2000 psi	Content pag. 11
		Reparation N°. : A788 SUP

**S.C. „UZTEL” – S.A.
PLOIESTI**

**PASSPORT
for**

SHAFFER ANNULAR BLOWOUT PREVENTER VH 21 1/4 x 2000 psi

Reparation N° : A788 SUP

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE		Pag.3
	SHAFFER ANNULAR BLOWOUT PREVENTER		Content pag. 11
	VH 21 1/4 x 2000 psi		Reparation N°. : A788 SUP

Main technical features			
Unit destination:		Type VH hydraulic annular blowout preventer are units assembled in the blowout preventing stacks during oil and gas drilling rig operations designed to close the well and prevent free blowouts	
1. Symbol		VH 21 1/4 x 2000 psi	
2. Typ		Annular blowout preventer hydraulically actuated	
3. Bore size		21 1/4 (539,75 mm)	
4. Working pressure		2000 psi	
5. Ring groove (top)		RX-74	
6. Ring groove (bottom)		RX-73	
7. Head type		bolted	
8. Necessary fluid volume for complete piston closing		32,59 gal.	
9. Necessary fluid volume for complete piston opening		16,92 gal.	
10. Hydraulic port size NPT		1,5 "	
OVERALL DIMENSIONS			Weight
Length	Width	Height	
	Ø 49"	46,13"	10850 lbs



S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.4
	SHAFFER ANNULAR BLOWOUT PREVENTER	Content pag. 11
	VH 21 $\frac{1}{4}$ x 2000 psi	Reparation N°. : A788 SUP



S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.5
	SHAFFER ANNULAR BLOWOUT PREVENTER VH 21 1/4 x 2000 psi	Content pag. 11
		Reparation N°. : A788 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.6
	SHAFFER ANNULAR BLOWOUT PREVENTER VH 21 1/4 x 2000 psi	Content pag. 11
		Reparation N°. : A788 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.7
	SHAFFER ANNULAR BLOWOUT PREVENTER VH 21 1/4 x 2000 psi	Content pag. 11
		Reparation N ^o . : A788 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.9
	SHAFFER ANNULAR BLOWOUT PREVENTER VH 21 $\frac{1}{4}$ x 2000 psi	Content pag. 11
		Reparation N°. : A788 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.11
	SHAFFER ANNULAR BLOWOUT PREVENTER VH 21 1/4 x 2000 psi	Content pag. 11
		Reparation N°. : A788 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,