



## 3rd REFINERY PHASE 4&5 OFF GAS COMRESSOR 2nd Stage Piston rod TI-36915

Compressor Nouvo Pignone

Request No 9240765

Request item number 24

MESC 2258369153

Contract No 96SD-005

Project No S5501

Part name Piston Rod

Original part number SPR 668100011

BARON part number B36915P1PR#00

Batch number 085BRN9712#02

Product date April-18

0	April-18	Issued for comment	S.Hosseini	B.Akaberi	B.Barani
REV.	DATE	DESCRIBTION	Ву	Controlled	Approved
			-		

QUALITY IDENTIFICATION

Prepared by: QC Checked by: QC Manager Approved By:

ABARON MELIAMENTO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

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Prepared	Controlled	Approved
Quality Control	Management	Client inspector
Date	Date	Date
Sign	Sign	Sign

 Refinery
 3rd
 PHASE 4&5

 Tag No:
 103-201 A/B

 Request No:
 9240765

ABARON AN A GAL COMPRESSOR IL THE LIE METTO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

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Prepared	Controlled	Approved
Quality Control	Management	Client inspector
Date	Date	Date
Sign	Sign	Sign



 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

	RECIPROCATING COMPRESSOR DATA SHEET						
		VENDOR DATA	UNIT	rev			
1	SERVICE	OFF-GAS	-				
2	DUTY		-				
3	DRIVER TYPE	ELC	-				
4	MODEL	4HF/2	-				
5	DRIVER SYSTEM	DIRECT COUPLED	-				
6	FRAM RATING AT RATED SPEED		KW/rpm				
7	CYLINDERS (LUBRICATION TYPE)		-				
8	COMPRESSION STAGE	2	-				
9	INLET CONDITION		-				
10	inlet Pressure	8/55	bara.				
11	Discharge Pressure	26/26	bara.				
12	Temperature	30	С				
13	Inlet volume		m3/h				
14	DISCHARGE CONDITION		-				
15	Pressure @ outlet from cylinder		bara.				
16	Flow Required Capacity		m3/h				
17	Temperature adiabatic	89	С				
18	Temperature predicted	92	С				

Prepared	Controlled	Approved
Quality Control	Management	Client inspector
Date	Date	Date
Sign	Sign	Sign

BARON AN A GAS COMPRESSOR IN PRICE AND AND TO Project No.: S5501
Part name: Piston Rod
MESC: 2258369153
Part no: SPR 668100011

	Part list						
No	Description	Part/No	Technical Data				
1	Piston Rod	SNO8479708	TI-36031-06				

Prepared	Controlled	Approved
Quality Control	Management	Client inspector
Date	Date	Date
Sign	Sign	Sign

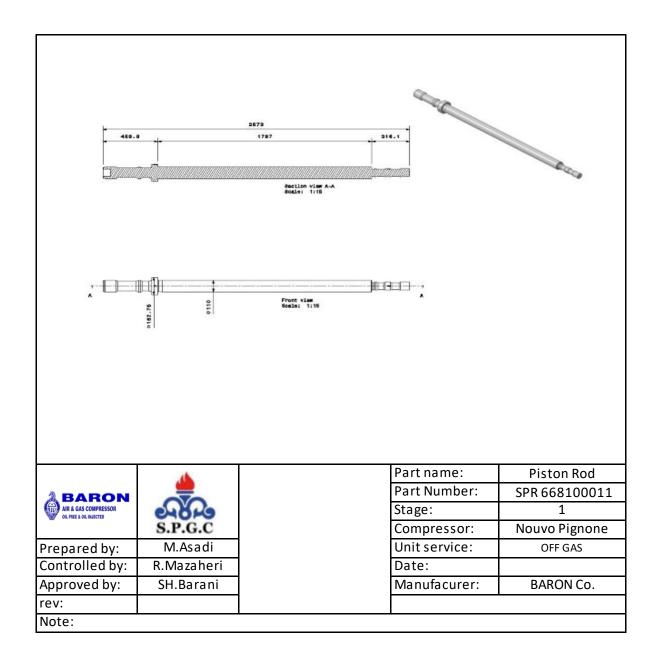
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 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011



Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

BARON MI 1 GE COMPRESSOR IL THE 1 IS NOTED 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

	Table of materio							
No	Name	P/N	SAMPLE	Material				
1	Piston Rod	SPR66810 0011	AISI 410	AISI 410				

Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

 Refinery
 3rd
 PHASE 4&5

 Tag No:
 103-201 A/B

 Request No:
 9240765

BARON
AN 1 COS COMPRESSOR
IS PRESENTA METRO

 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

	Part MESC & Part No							
	Part name	Piston Rod						
ОЕМ	Part number:	SPR 668100011						
	MESC:	2258369153						
	Part name	Piston Rod						
BARON	Part number:	B36915P1PR#00						
	MESC:	2258369153						
MESC change	d to local manufacturer							
	Guarantee Description							
	Doc No.TI-36031-??							
	Product/Delivery Date:April 2018							

Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

ABARON MITE GOL COMPRESSOR NAME ARE RADITO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

	Deviatio	n					
Compressor	Nouvo Pignone						
Tag number	103-201 A/B						
Mechanis name	Valve Mechanism						
Part name	Piston Rod						
MESC	2258369153						
Part Number:	SPR 668100011						
Note:							
	Drawing dev	iation					
Doc No.:	5						
Doc No.	Material devi	ation					
	25.110						
Doc No:	Modificati	on					
	Inspection T	ime					
Doc No.:	1 111						
	Life Cycle Time S	teamate					
Doc No.:							

Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

BARON MI & GIL COMPRESSOR IL PRES IN METTO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

Doc: TI-36915 -29

## **Material Report**

Prepared Cheked Approved
Quality Control Management Clent inspector
Date Date
Sign Sign Sign

BARON MI & GOL COMPRESSOR IN THE LIE METTO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

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lo	Na	me				ſ	P/N	l				SAI	MΡ	_E		В	Αſ	₹(
1	Pisto	on R	od	B	36	031	.P1	DV	'10	1	,	AIS	14:	LO		A	SI	4
Ba	Anna Anna	Date i A	(F) (60)	199 0-34.0 22-12 - 840 - 100 4	1 - Sa	443	Fresh dead of	Pag Ap Ap B)	property of the second	1 7 10 1 3 10 1 3 10 1 3 10 1 1	Tang	p: 21	12.4 12.4	p=140 135 4 010 4	12 12 1	1483		
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	smark   Wo	with the	Propole	rancol.	2.0	AVTM oh the	E 1800 (In/of	on N	-	40	100	101.0	Tipe 6.50,5	ore of dep	100	- To	1 300	1
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Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

BARON AN 1 GG COMMESSOR B. WILL AS ASS'TO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

NDT								
	PART	ROUGHNEESS(μm)	Hardness (HRC)	Stiffness(N/m)				
Rider Ring	result	-	20_22	-				
Ride	Heat treatment cycle	-	TI-36031-55(page 55)	-				

Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

ABARON MELIAMENTO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

	Physical Properties									
Part				<b>General Dat</b>	a					
	Group	Subgroup		Equival	ent Mate	rial	Comment			
9	Stainlesss and			Standard	Cod	de				
, Stu	heat Resisting	SAE AMS-QQ-S-7	63	DIN	X120	cr13	Martensitic			
Ë	Steels	3/12/11VIS QQ 3 /	05	WN	1/40	006	Stainlees Steel			
Valve stop, Seat , Shim , Stud				SAE	41	0				
Seal		[	Mec	hanical Prop	ertice					
ob,	Diminsion / H	eat Treatment		Yield Stress(I	Мра)	Tei	nsile Stress (Mpa)			
e st	>12.5 mm,Bar	-Intermediate		(Min)55	2	(Min)689				
Valv		iper	(*****)			()				
	>12.5 mm,Fd	orging- Hard	(Min)621			(Min)827				
		iper				<u> </u>				
	Prop	Propertice			Met	hod	Data			
		sity		g/cm3	ASTM	D792	2.05-2.11			
bn	hardness	s-Shore D		- ASTM D2240			>=64			
Ring	Wear	Wear Factor			ASTM [	3702	0.010020			
	Service Temper	ature(min-max)		c 0	-		-200 / +260			
	Thermal expans	sion coefficient			Similart	o ASTM	10-12			
	(linear)	(linear) 25-100			D6	96	10 12			
Bu	Physical (	Constants		Unit	Da	ta	Note:			
Spring	Der	nsity		g/cm3	8/2	28				
0)	Melting	g Range		C 0	1393-	1427				

Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

BARON MIL GIS COMPRESSOR IS TREADS INSTRU 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

Doc: TI-36915 -35

Gua	rantee;sheet#		##£769£	¥y¯z±146``®###
Part name	Piston Rod		/ĐÂ, ČEĐÝH ØŽ	₩Ŷo¥ŵz
Part no	SPR 668100011		\$PR#446///	£0%09A^ZÒŁ
Product date	Product date January-18		/174+/.	# %z #.å z
Delivery date	February-18		/174+//	∰ åù″ \$ <b>!</b> .å z
Operation date				# 'ý <del>y</del> ky## 1#.åz
Expire date				#Ó¤yōàllaSÁ¥;.åz
Guara	ntee condition		#D¤\ <u>y</u> z	∰ åÿŁ
	8months		ÀÆ66	′₩ Øž
	6000 hour		₩ Ëz`	4
	Each pass		#ùŁ#Ý~~~ <b>\</b> Dð <b>t</b>	ù®Đ¢, Hybýð ž

## Warranty condition:

<u>This certificate that part NO SNO 8479708 product by Baron company and Its waranty for 6000 hours.</u>

This guarantee is limited by parts that are meet following condition:

## A:before use

- Resitiantion waranty
- Uploading permite and assembly inspection
- Uploading compressore and cuse & effects ensuring mainted report for part replace out of hours service.

B: After use

Uploading compressor performance and cuse & effects of defect contact BARON Co after sales service

Email: info@baronco.com



Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

ABARON OF ANY LOSS COMPRESSOR N. THE A R. MICHO Project No.: S5501
Part name: Piston Rod
MESC: 2258369153
Part no: SPR 668100011

Clearance				
Compressor	Nouvo Pignone			
Mechanism name	Cylinder mechanism			
Tag number	103-201 A/B			
Part Num.	SPR 668100011			
Part name	Piston Rod			
MESC	2258369153			
Project Number: 793P10001	BARON Technical Office  Oreation documents. Hosesini S. Akaberi E. Sarani Description By Chacked Approved  A			
M E Priorition G	9 3			
Packing  A B C Drawing Size Limits  Vertical 6-12 U0.05 00.02 Horizontal 3-9 Piston Fit  Vertical 6-12 D E Drawing Size Limits  Vertical 6-12 Horizontal 3-9 Note: U=Undersize; 0=Out Round; T= Taper	lod Runout D E H Limit +-0.025			
-				

Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign

BARON AN 1 GG COMMESSOR B. WILL SE ANTO 
 Project No.:
 \$5501

 Part name:
 Piston Rod

 MESC:
 2258369153

 Part no:
 \$PR 668100011

Maintenance				
Compressor:	Nouvo Pignone			
Tag number	103-201 A/B			
Part number.	SPR 668100011			
Mechanism name:	Valve Mechanism			
Part name:	Piston Rod			
MESC:	2258369153			
	Maintenance of parts	-		
Time	Action			
1000 h				
4000 h				
8000 h				
Rod piston				
Instalation				

Prepared	Cheked	Approved
Quality Control	Management	Clent inspector
Date	Date	Date
Sign	Sign	Sign