#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-2
Part No.:	FC105/103-10	Material:	AISI 4130 75K,Pei	r ASTM A29		Coating:	/
Description:	4-1/16"15000	psi Bonnet				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA021009	HC2103018-03	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

		Customer PO#:	/		Date:	2021.06
FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-3
FC105/103-08	Material:	17-4PH 105K,Per	ASTM A693		Coating:	/
4-1/16"15000	psi Stem				Quantity:	1
S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
IA041014	HC2103025-08	Acceptable				
	FC105/103-08 4-1/16"15000 S/N	FC105/103-08 Material: 4-1/16"15000psi Stem  S/N Heat Log No.	FC105/103-00 Specification: /ASTM A388  FC105/103-08 Material: 17-4PH 105K,Per  4-1/16"15000psi Stem  S/N Heat Log No. Result	FC105/103-00 Specification: /ASTM A388 API Monogram:  FC105/103-08 Material: 17-4PH 105K,Per ASTM A693  4-1/16"15000psi Stem  S/N Heat Log No. Result Item	FC105/103-00 Specification: /ASTM A388 API Monogram: 6A-1748  FC105/103-08 Material: 17-4PH 105K,Per ASTM A693  4-1/16"15000psi Stem  S/N Heat Log No. Result Item S/N	FC105/103-00         Specification:         /ASTM A388         API Monogram:         6A-1748         Report #:           FC105/103-08         Material:         17-4PH 105K,Per ASTM A693         Coating:           4-1/16"15000psi         Stem         Quantity:           S/N         Heat Log No.         Result         Item         S/N         Heat Log No.

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT12021021901-4
Part No.:	FC105/103-07	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	TC
Description:	4-1/16"15000	psi Gate				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	15005	C190425T4	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P ⊄ 14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-5
Part No.:	FC105/103-04	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	/
Description:	4-1/16"15000	psi Body Bushing				Quantity:	2
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA051028	HC2103023-08	Acceptable				
2	IA051011	HC2103023-08	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06	
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-6	
Part No.:	SEA416HLW15M	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	/	
Description:	4-1/16"15000p	si Seat				Quantity:	2	
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result	
1	CB06074	1502010-1	Acceptable					
2	CB06085	1502010-1	Acceptable					

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P ⊄ 14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

Customer:			Customer	PO#:		/		Date	e:	2021.0	)6
Drawing #:	FC105/103-00	Specification:	API Spec 6. /ASTM E70		API Monogr	ram:	6A-1748	Repo	ort #:	MT202	21021901-1
Part No.:	FC105/103-01	Material:	AISI 4130 7	75K,Per <i>A</i>	ASTM A29			Coat	ting:	/	
Description:	4-1/16"15000psi	Body						Qua	ntity:	1	
Equipment:	CDW-10000	Acceptance Crit	teria:	API	6A/PSL3	Circu	lar AMPS:				3200A
Test Method:	FluorescenceWet  Continuous	Particle Type:		Fluores	scence	UV-L	ight Intens	sity:		≥100	0Uw/ cm²
Stage:	Machined	Concentration:		0.3r	m/100ml	Magr	netizing Ti	me:			1-3S
Item	S/N	Heat Log No.	. Re	sult	Item		S/N		Heat L	og No.	Result
1	IA011006	HC2103024-0	3 Acce	ptable							
-	ction Coverage:	ection was perforn	ned on all acco	essible w	vetted/sealing	surfac	<b>-</b> PS				
Fluorescent m	nagnetic particle insp	ection was perforn	ned on all acco	essible w	vetted/sealing	surfac	ces.				
Evaluation & [	Disposition:	Found to be satis	sfactory								
		Meng Yi			0		00.0				
nspected by: Approved by:		Meng Yi Meng Yi			Organizatio	n:	QC Depa	artmer	nt		

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **MAGNETIC PARTICLE INSPECTION REPORT**

Customer:			Customer	PO#:		/		Date:		2021.06		
Orawing #:	FC105/103-00	Specification:	API Spec 6		API Monog	gram:	6A-1748	Rep	ort #:	MT202	21021901-2	
Part No.:	FC105/103-10	Material:	AISI 4130	75K,Per A	STM A29			Coa	ting:	/		
Description:	4-1/16"15000psi	Bonnet						Qua	ntity:	1		
Equipment:	CDW-10000	Acceptance Crit	eria:	API	6A/PSL3	Circu	ılar AMPS:				3200A	
Test Method:	FluorescenceWet Continuous	Particle Type:		Fluores	cence	UV-L	ight Intens	sity:		≥1000Uw/ cm²		
Stage:	Machined	Concentration:		0.3r	n/100ml	Mag	netizing Ti	ime:			1-3S	
Item	S/N	Heat Log No.	Re	sult	Item		S/N Heat L		Heat Lo	∟og No. Resul		
1	IA021009	HC2103018-03	3 Acce	ptable								
Sketch/Inspe	ction Coverage:											
-luorescent n	nagnetic particle insp	ection was perforn	ned on all acc	essible w	etted/sealin	g surfa	ces.					

Organization:

Date:

QC Department

2021.06

Found to be satisfactory

Meng Yi

Meng Yi

 $\mathsf{MT} \amalg$ 

Evaluation & Disposition:

Inspected by:

Approved by:

NDT Level:

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **MAGNETIC PARTICLE INSPECTION REPORT**

Customer:			Customer	PO#:		/		Date	e:	2021.0	06
rawing #:	FC105/103-00	Specification:	API Spec 6		API Monog	gram:	6A-1748	Rep	ort #:	MT202	21021901-3
Part No.:	FC105/103-08	Material:	17-4PH 10	5K,Per AS	STM A693			Coa	ting:	/	
Description:	4-1/16"15000psi	Stem						Qua	ntity:	1	
Equipment:	CW-10000	Acceptance Crite	ria:	API	6A/PSL3	Circu	lar AMPS:				1400A
Test Method:	FluorescenceWet  Continuous	Particle Type:		Fluores	scence	UV-L	ight Intens	sity:		≥100	0Uw/ cm²
Stage:	Machined	Concentration:		0.3r	m/100ml	Magı	netizing Ti	me:			1-3S
Item	S/N	Heat Log No.	Re	sult	Item		S/N		Heat Lo	og No.	Result
1	IA041014	HC2103025-08	Acce	ptable							

Evaluation & Disposition:	Found to be satisfactory						
Inspected by:	Meng Yi	Organization	QC Department				
Approved by:	Meng Yi	Organization:	де верантени				
NDT Level:	MTII	Date:	2021.06				

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **MAGNETIC PARTICLE INSPECTION REPORT**

Customer:			Customer	PO#:		/		Date:	2021.0	06
Drawing #:	FC105/103-00	Specification:	API Spec 6.		API Monog	gram:	6A-1748	Report #:	MT12	021021901-4
Part No.:	FC105/103-07	Material:	AISI 410 75	5K,Per NA	ACE MR0175			Coating:	/	
Description:	4-1/16"15000psi	Gate						Quantity:	1	
Equipment:	CDW-10000	Acceptance Crite	eria:	API	6A/PSL3	Circu	lar AMPS:			3200A
Test Method:	FluorescenceWet Continuous	Particle Type:		Fluores	scence	UV-Li	ight Intens	ity:	≥100	00Uw/ cm²
Stage:	Machined	Concentration:		0.3r	m/100ml	Magr	netizing Tir	me:		1-3S
Item	S/N	Heat Log No.	Re	sult	Item		S/N		og No.	Result
1	15005	C190425T4		ptable	itein		3/14	Treat E	06 110.	nesure
Sketch/Inspec	ction Coverage:									I
Fluorescent m	nagnetic particle insp	ection was perform	ed on all acc	essible w	etted/sealin	g surfac	ces.			
Evaluation & [	Disposition:	Found to be satisf	factory							
Inspected by:		Meng Yi					000			
Approved by:		Meng Yi			Organizatio	on:	QC Depa	artment		
NDT Level:		MTII			Date:		2021.06			

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

			Customer I	PO#:		/		Date	e:	2021.0	06
Prawing #:	FC105/103-00	Specification:	API Spec 6/		API Monog	gram:	6A-1748	Rep	ort #:	MT20	21021901-5
Part No.:	FC105/103-04	Material:	AISI 410 75	K,Per NA	ACE MR0175			Coa	ting:	/	
Description:	4-1/16"15000psi	Body Bushing						Qua	ntity:	2	
Equipment:	CDW-10000	Acceptance Crite	ria:	API	6A/PSL3	Circu	lar AMPS:				3200A
Гest Method:	FluorescenceWet Continuous	Particle Type:		Fluores	scence	UV-L	ight Intens	ity:		≥100 cm²	0Uw/
Stage:	Machined	Concentration:		0.3r	n/100ml	Magı	netizing Tir	ne:		1-35	
Item	S/N	Heat Log No.	Res	sult	Item		S/N		Heat Lo	g No.	Result
1	IA051028	HC2103023-08	Accer	otable							
2	IA051011	HC2103023-08	Accep	otable							

Inspected by:	Meng Yi	Organization:	QC Department
Approved by:	Meng Yi		QC Department
NDT Level:	MTII	Date:	2021.06

Found to be satisfactory

Evaluation & Disposition:

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

ustomer:			Customer	PO#:		/		Date	2:	2021.0	06
rawing #:	FC105/103-00	Specification:	API Spec 6.		API Monog	gram:	6A-1748	Repo	ort#:	MT20	21021901-6
art No.:	SEA416HLW15M	Material:	AISI 410 75	K,Per NA	ACE MR0175			Coat	ting:	/	
escription:	4-1/16"15000psi	Seat						Qua	ntity:	2	
quipment:	CDW-10000	Acceptance Crite	ria:	API	6A/PSL3	Circu	lar AMPS:				3200A
est 1ethod:	FluorescenceWet  Continuous	Particle Type:		Fluores	scence	UV-L	ight Intens	ity:		≥100 cm²	0Uw/
tage:	Machined	Concentration:		0.3r	m/100ml	Magr	netizing Ti	ne:			1-3S
Item	S/N	Heat Log No.	Re	sult	Item		S/N		Heat Lo	g No.	Result
1	CB06074	1502010-1	Acce	ptable							
2	CB06085	1502010-1	Acce	ptable							
	ction Coverage:										

Evaluation & Disposition:	Found to be satisfactory					
Inspected by:	Meng Yi	Organization	QC Department			
Approved by:	Meng Yi	Organization:	QC Department			
NDT Level:	MTII	Date:	2021.06			

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **HYDROSTATIC TEST REPORT**

Custome	r:		Custor	mer PO#:		/		Date:	2021	L.06
Drawing	#: FC105/103-00	Specification:	API 6A	-20	API Mon	ogram:	6A-1748	Report #:	HT202102	1901-1
Part No.:	FC105/103-0	Material:	AISI 41	.30 75K,Pe	r ASTM A2	9	'	Coating:	/	
Description	on: 4-1/16"150	00psi						Quantity:	1	
Item	n Pressur	е	Me	thod			Qty		Result	
Shel	l 22500ps	si	AP	I 6A			1		ОК	
Seat	t 15000ps	si	AP	I 6A			1		ОК	
14	C/NI	Heat Lands	Resu	lt	14.0	C/N		llast Las Na	Result	
Item	S/N	Heat Log No.	Α	В	Item	S/N		Heat Log No.	А	В
1	IA001006	HC2103024-03	ОК	ОК						
Sketch/Ir	nspection Coverage	:								
Per Speci	fication & Requirem	ents: API 6A								
					Anr	oroved By	r:	Fyar	nined By:	
		[ V ] Confo	rms		י יףו			LXUI		
	Judgments:				N	vleng Yi		Yo	ng Zhao	
		[ ] Does Not	Conform							

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

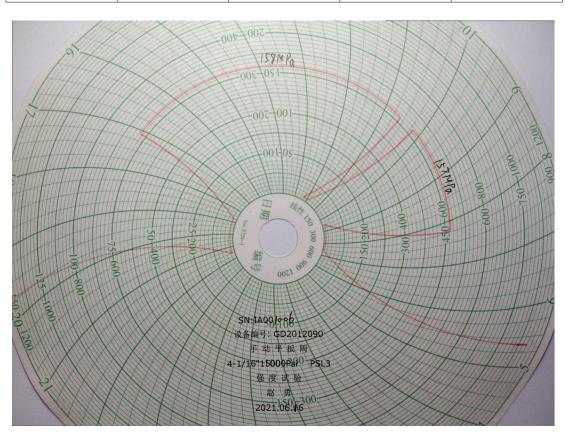
# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001006	4-1/16" 15000Psi	API 6A	Body	GD2012090	

#### **Test Data**

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	157.0Mpa	156.4Mpa	180S	0.6Mpa
2	158.0Mpa	157.3Mpa	900S	0.7Mpa



TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:
Kai Guo	Yong Zhao	Meng Yi	2021.06.16

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

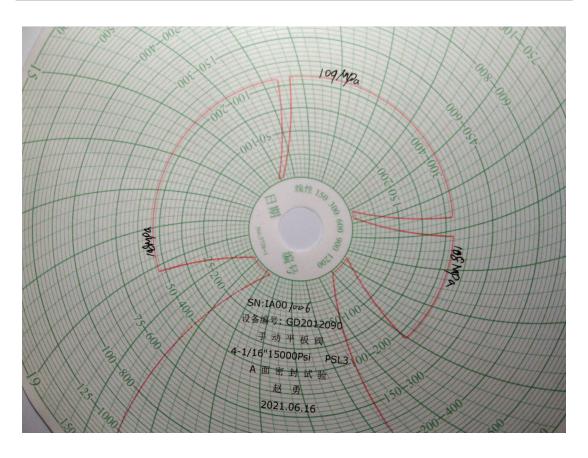
# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001006	4-1/16" 15000Psi	API 6A	Seat	GD2012090	

#### **Test Data**

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	108.0Mpa	104.8Mpa	180S	0.2Mpa
2	109.0Mpa	107.6Mpa	900S	1.4Mpa
3	108.0Mpa	107.3Mpa	900S	0.7Mpa



TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:	
Kai Guo	Yong Zhao	Meng Yi	2021.06.16	

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

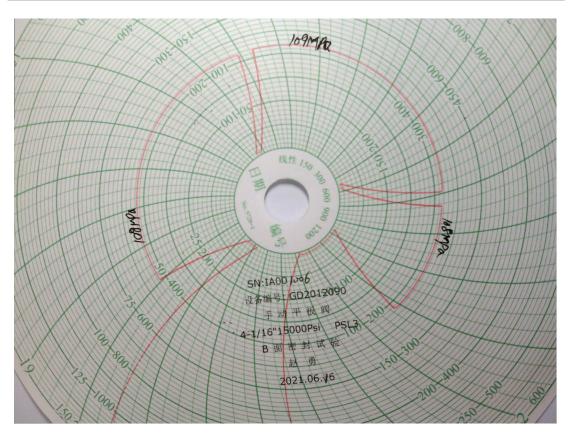
# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001006	4-1/16" 15000Psi	API 6A	Seat	GD2012090	

#### **Test Data**

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	108.0Mpa	107.1Mpa	180S	0.9Mpa
2	109.0Mpa	107.8Mpa	900S	1.2Mpa
3	108.0Mpa	107.3Mpa	900S	0.7Mpa



TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:
Kai Guo	Yong Zhao	Meng Yi	2021.06.16

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **REPORT INDEX**

Purchase Order:	/	
Quantity:	1EA	
Shipment No.:	Crate# IA001019	
Shipment Date:	Jun,2021	

Activity No.	Characteristics	Reference Page
1	CERTIFICATE OF CONFORMITY	Page - 2
3	Metallurgical Test Certificate	Page - 3
3.1	Mechanical Testing	Page - 3
3.2	Chemical Testing	Page -3
3.3	Heat Treatment	Page - 3
4	Hardness Test	Page - 4-9
5	Ultrasonic Testing	Page - 10-15
6	Magnetic Particle Inspection Report	Page - 16-21
6	Hydrostatic Test	Page - 22-25

#### **CERTIFICATE OF CONFORMITY**

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

THE FOLLOWING ITEM IS IN CONFORMITY WITH PO # / , DRAWINGS AND ITS TECHNICAL REQUIREMENTS. IT IS MADE PER API - 6A MONOGRAM SPECIFICATIONS, EE CLASS, PSL3, PR1, LU. AND IT IS MADE OF MATERIAL (4130,75K YIELD) FOR NACE H2S SERVICE UNDER THE CURRENT NACE MR0175 EDITION.

ITEM: PO#: /

SERIAL NO.: IA001019

HEAT TREAT #: HC2103024-03 PART NO.: FC105/103-00 DRAWING NO: FC105/103-01

QANTITY: 1

INSPECTION STANDARD: API Spec 6A EE, PSL3, PR1, LU

THIS COMMODITY HAS PASSED ALL THE TECHNICAL AND PERFORMANCE TESTS CARRIED BY QUALITY CONTROL/INSPECTION DEPARTMENT.

COMPANY NAME: JSZX	INSPECTOR: Cong Mei Zhanç				
(STAMP)	CHIEF ENGINEER: Meng Yi				
	EX-FACTORY DATE: Jun,2021				
Customer:	P.O. Number:/				

# [II] 江苏政轩石油机械股份有限公

# Jiangsu Zhengxuan Petroleum Machinery Co., Ltd

No.: AV00012

Date:Jun,2021

# **Certified Material Test Report**

Equipment Type KING-3000 KING-3000 KING-3000 KING-3000 KING-3000 KING-3000 Medium AIR AIR 팅 AIR \_ Result 8 8 8 8 API SPEC 6A Temper(2) Hardness 225HB 221HB 229HB 211HB 213HB 298HB Time (min) 5.0H 6.0H 4.0H 5.0H \_ \_ Temp (C) Impact direction (Transverse) 66, 73, 69 70, 65, 70 59, 64, 63 61, 80 630 680 680 670 \ 72 60, 66, 67 Per Spec & Requirements Other Inspections 68 Temp 66, 74, DRAWINGS  $\exists$ Medium AIR AIR AIR AIR AIR AIR 64.5 9.89 0.09 61.1 62.9 62.9 ROA (%) Physical Properties PSL3 PSL Temper(1) Time (min) H0.9 5.0H 5.5H 5.0H H0.9 5.0H Elongat ion (%) 20.0 23.0 25.5 22.0 24.0 38.0 Material Heat Treatment E Temp (°C) HARDNESS TESS 670 680 630 700 720 720 733.8 531.0 Yield (MPa) 593.5 598.4 613.9 530.0 DIMENSIONS Inspection DRIFT TEST THREADS WP (psi) 15000Psi 982.4 721.0 685.0 Tensile (MPa) 685.4 703.6 730.5 Finish Temp 27 27 26 36 46 48 Spec Origin QTC QTC QTC QTC QTC QTC Result Quenched 4-1/16" Start Size 17 17 17 39 32 39 Spec Size ⊄ 0.5"x2" ⊄ 0.5"x2" ⊄ 0.5"x2" ⊄ 0.5"x2" ⊄ 0.5"x2" ⊄ 0.5"x2" First Holding time / 3min, Second Holding time / 15min, Third Holding time / 15min. First Holding time / 3min, Second Holding time / 15min, Third Holding time / 15min. Medium WATER WATER WATER ģ 등 ᇹ Ы  $\vdash$ Fe 윤 Time (min) 4.0H 4.0H 3.0H 3.0H 3.0H 3.0H Austenized IA001019 0.03 3.61 3 Temp (C) 1040 1000 1020 870 870 960 First Holding time / 3min, Second Holding time / 15min. ≥ ပ္ပ Forging Forging Finished Forging Bar Bar Bar Melting Practice **Hydrostatic Test** FC105/103-00 > IA051031 IA051034 IA061019 IA061008 IA011019 IA021014 IA041003 IA081006 Serial No. 0.200 0.200 0.05 0.01 ŝ Chemical Analysis (wt, %) 0.19 0.04 0.04 4.57 0.02 0.21 Ë خ خ ~ ~ τ-2 7 15.61 11.76 12.02 11.78 PerNACE MR0175 PerNACE MR0175 PerNACE MR0175 1.07 AISI 4130 75K Per ASTM A29 AISI 4130 75K Per ASTM A29 Material Spec Standards 17-4PH 105K PerASTMA693 GATE VALVE င် AISI 410 75K 0.001 0.004 0.019 0.002 0.004 0.001 s 103.5Mpa 103.5Mpa 155.2Mpa 0.014 0.015 0.024 0.023 0.026 0.021 HC2103018-03 HC2103024-03 HC2103025-08 HC2103023-08 C190425T4 1502010-1 H.T. No. 0.44 0.40 0.42 0.31 0.31 0.44 S Shell Seat Seat Item PO No. Description 0.59 0.56 0.48 0.42 0.49 0.47 ξ 15016015409 18209112692 YX1910-678 20410367 21500679 Melt No. 191-309 0.026 0.109 0.12 0.11 0.30 0.32 ပ 4-1/16" 15000Psi BX155 EE, LU, PSL3, PR1 HC2103024-03 HC2103018-03 HC2103025-08 HC2103023-08 C190425T4 BODY BUSHING 1502010-1 BONNET GATE H.T. No. STEM SEAT BODY Parts Markings Customer FC105/103-00 15016015409 18209112692 YX1910-678 21500679 20410367 191-309 Melt No. Ν

This is to certify that all above items have been tested and inspected per scope of specifications, drawings, and the purchase orderand have been found to be satisfactory. The information in this report is true and correct to our knowledge.

NAME of QA Manager, for and on the authority of COMPANY NAME

Meng Yi

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#		/		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Mono	gram:	6A-1748	Report #:	H2021021901-1
Part No.:	FC105/103-01	Material:	AISI 4130 75K,I	Per ASTM A29	ASTM A29			/
Description:	4-1/16"15000	psi Body					Quantity:	1
Item	S/N	Heat Log No.	Hardness	Item		S/N	Heat Log No.	Hardness
1	IA011019	HC2103024-03	212HB/210H 214HB	В				
Sketch:								
		-						
Method Used:		Impact Energy:	3000Kg. [	Diameter of stee	el ball: 1	L0mm		
Acceptable Ha		197HBW-235HB\		Appro	ved By:		Exami	ned By:
[ V] Conforms Judgments:		Conform	Meng Yi				eng Hu	

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#	<del>:</del>	/		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Mono	gram:	6A-1748	Report #:	H2021021901-2
Part No.:	FC105/103-10	Material:	AISI 4130 75K,	Per ASTM A29		Coating:	/	
Description:	4-1/16"15000	osi Bonnet					Quantity:	1
Item	S/N	Heat Log No.	Hardness	Item	S	/N	Heat Log No.	Hardness
1	IA021014	HC2103018-03	221HB					
Sketch:								
Method Used:		Impact Energy:	3000Kg.	Diameter of stee	l ball: 10	mm		
Acceptable Ha		197HBW-235HBV			ved By:		Exam	ined By:
Judgments:		[ V] Conforms [ ] Does Not			ng Yi			eng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Drawing #:   FC105/103-00   Specification:   API Spec 6A	Jun,2021
Description:   4-1/16"15000psi   Stem   S/N   Heat Log No.   Hardness   Item   S/N   Heat Log No.	H2021021901-3
Item	/
1 IA041003 HC2103025-08 291HB	1
	. Hardness
Sketch:	
Method Used: Impact Energy: 3000Kg. Diameter of steel ball: 10mm	
	ined By:
	mea by.
[ V ] Conforms	Feng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#:		/		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Mono	gram:	6A-1748	Report #:	H2021021901-4
Part No.:	FC105/103-07	Material:	AISI 410 75K,Pe	r NACE MR0175		Coating:	TC	
Description:	4-1/16"15000ps	si Gate					Quantity:	1
Item	S/N	Heat Log No.	Hardness	Item		S/N	Heat Log No.	Hardness
1	IA081006	C190425T4	227HB					
Sketch:					///// 			
Method Used	l:	Impact Energy:	3000Kg. Di	iameter of stee	l ball: 1	10mm		
Acceptable H		197HBW-235HB		Approv			Exami	ined By:
Judgments:		[ V] Conforms		Mer				Feng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#: /		Date:	Jun,2021	
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Monogram	: 6A-1748	Report #:	H2021021901-5
Part No.:	FC105/103-04	Material:	AISI 410 75K,Per N	ACE MR0175	'	Coating:	/
Description:	4-1/16"15000	psi Body bushing	5			Quantity:	2
Item	S/N	Heat Log No.	Hardness	Item	S/N	Heat Log No.	Hardness
1	IA051031	HC2103023-08	210HB				
2	IA051034	HC2103023-08	210HB				
Sketch:							
Method Used:	:	Impact Energy:	3000Kg. Dian	neter of steel balls	: 10mm		
Acceptable Ha	irdness:	197HBW-235HB\	N	Approved B	y:	Exami	ned By:
Judgments:		[ V] Conforms		Meng Yi		Guo F	eng Hu
		[ ] Does Not	Conform	INICHE II		Juo i eng ilu	

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#:	: /		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Monogram: 6A-1748		Report #:	H2021021901-6
Part No.:	SEA416HLW15M	Material:	AISI 410 75K,Per NA	110 75K,Per NACE MR0175			/
Description:	4-1/16"15000p	si Seat				Quantity:	2
Item	S/N	Heat Log No.	Hardness	Item	S/N	Heat Log No.	Hardness
1	IA061019	1502010-1	226HB				
2	IA061008	1502010-1	226HB				
Sketch:							
Ske terr.			1				
			1		B		
			1		777		
Method Used:		Impact Energy:	3000Kg. Diame	eter of steel ball:	10mm		
Acceptable Ha	rdness:	197HBW-235HBV	V	Approved By:		Exami	ned By:
Judgments:		[ V] Conforms		Meng Yi		Guo F	eng Hu

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

		Customer PO#:	/		Date:	2021.06
FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram: 6A-1748		Report #:	UT2021021901-1
FC105/103-01	Material:	AISI 4130 75K,Per	ASTM A29		Coating:	/
4-1/16"15000	psi Body				Quantity:	1
S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
IA011019	HC2103024-03	Acceptable				
	FC105/103-01 4-1/16"15000 S/N	FC105/103-01 Material: 4-1/16"15000psi Body  S/N Heat Log No.	FC105/103-00         Specification:         API Spec 6A /ASTM A388           FC105/103-01         Material:         AISI 4130 75K,Per           4-1/16"15000psi         Body           S/N         Heat Log No.         Result	FC105/103-00         Specification:         API Spec 6A /ASTM A388         API Monogram.           FC105/103-01         Material:         AISI 4130 75K,Per ASTM A29           4-1/16"15000psi         Body           S/N         Heat Log No.         Result         Item	FC105/103-00         Specification:         API Spec 6A /ASTM A388         API Monogram:         6A-1748           FC105/103-01         Material:         AISI 4130 75K,Per ASTM A29           4-1/16"15000psi         Body           S/N         Heat Log No.         Result         Item         S/N	FC105/103-00         Specification:         API Spec 6A /ASTM A388         API Monogram:         6A-1748         Report #:           FC105/103-01         Material:         AISI 4130 75K,Per ASTM A29         Coating:           4-1/16"15000psi         Body         Quantity:           S/N         Heat Log No.         Result         Item         S/N         Heat Log No.

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

		Customer PO#:	/		Date:	2021.06
FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-2
FC105/103-10	Material:	AISI 4130 75K,Per ASTM A29			Coating:	/
4-1/16"15000	psi Bonnet				Quantity:	1
S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
IA021014	HC2103018-03	Acceptable				
	FC105/103-10 4-1/16"15000 S/N	FC105/103-10 Material: 4-1/16"15000psi Bonnet  S/N Heat Log No.	FC105/103-00         Specification:         API Spec 6A /ASTM A388           FC105/103-10         Material:         AISI 4130 75K,Per           4-1/16"15000psi         Bonnet           S/N         Heat Log No.         Result	FC105/103-00         Specification:         API Spec 6A /ASTM A388         API Monogram:           FC105/103-10         Material:         AISI 4130 75K,Per ASTM A29           4-1/16"15000psi         Bonnet           S/N         Heat Log No.         Result         Item	FC105/103-00         Specification:         API Spec 6A /ASTM A388         API Monogram:         6A-1748           FC105/103-10         Material:         AISI 4130 75K,Per ASTM A29           4-1/16"15000psi         Bonnet           S/N         Heat Log No.         Result         Item         S/N	FC105/103-00         Specification:         API Spec 6A /ASTM A388         API Monogram:         6A-1748         Report #:           FC105/103-10         Material:         AISI 4130 75K,Per ASTM A29         Coating:           4-1/16"15000psi         Bonnet         Quantity:           S/N         Heat Log No.         Result         Item         S/N         Heat Log No.

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110	Couplant:			
Date of calibration	2021.04.07		OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:		/	Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram: 6A-1748		Report #:	UT2021021901-3
Part No.:	FC105/103-08	Material:	17-4PH 105K,Per	ASTM A693		Coating:	/
Description:	4-1/16"15000	psi Stem				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA041003	HC2103025-08	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT12021021901-4
Part No.:	FC105/103-07	Material:	AISI 410 75K,Per NACE MR0175			Coating:	TC
Description:	4-1/16"15000	psi Gate				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA081006	C190425T4	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P ⊄ 14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram: 6A-1748		Report #:	UT2021021901-5
Part No.:	FC105/103-04	Material:	AISI 410 75K,Per NACE MR0175			Coating:	/
Description:	4-1/16"15000	psi Body Bushing				Quantity:	2
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA051031	HC2103023-08	Acceptable				
2	IA051034	HC2103023-08	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique: Straight/Contact		Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-6
Part No.:	SEA416HLW15M	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	/
Description:	4-1/16"15000p	si Seat				Quantity:	2
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA061019	1502010-1	Acceptable				
2	IA061008	1502010-1	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P ⊄ 14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

Customer:			Customer	PO#:		/		Date:	:	2021.0	06	
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E709  API Monogram: 6A-1748 Report #:				rt #:	MT202	21021901-1			
Part No.:	FC105/103-01	Material:	AISI 4130 7	75K,Per <i>F</i>	ASTM A29	M A29 Coating: /						
Description:	4-1/16"15000psi	Body						Quan	itity:	1	1	
Equipment:	CDW-10000	Acceptance Crit	eria:	API	6A/PSL3	Circu	lar AMPS:				3200A	
Test Method:	FluorescenceWet  Continuous	Particle Type:		Fluore	scence	ce UV-Light Intensity:			≥1000Uw/ cn			
Stage:	Machined	Concentration:		0.31	m/100ml	Magı	netizing Ti	me:			1-3S	
Item	S/N	Heat Log No.	Re	sult	Item		S/N		Heat Lo	og No.	Result	
1	IA011019	HC2103024-0	3 Acce	ptable								
	ction Coverage: nagnetic particle insp	ection was perforn	ned on all acco	essible w	retted/sealing	g surfac	ces.					
Evaluation & (	Disposition:	Found to be satis	sfactory									
		Found to be satis	sfactory									
Evaluation & I nspected by: Approved by:		Found to be satis Meng Yi Meng Yi	sfactory		Organizatio	on:	QC Depa	artmen	t			

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **MAGNETIC PARTICLE INSPECTION REPORT**

Customer:			Customer					Date	Ξ.	2021.0	10
Drawing #:	FC105/103-00	Specification:	API Spec 6		API Mono	gram:	6A-1748	6A-1748 Report #:		MT2021021901-	
Part No.:	FC105/103-10	Material:	AISI 4130	AISI 4130 75K,Per ASTM A29		Coating:		/			
Description:	4-1/16"15000psi	Bonnet						Qua	ntity:	1	
Equipment:	CDW-10000	Acceptance Crit	eria:	API	API 6A/PSL3 Circular AMPS:					3200A	
Test Method:	FluorescenceWet Continuous	Particle Type:		Fluores	orescence UV-Light Intensity		sity:		≥1000	OUw/ cm²	
Stage:	Machined	Concentration:		0.3r	m/100ml	Mag	netizing Ti	me:			1-3S
Item	S/N	Heat Log No.	Re	esult	Item		S/N		Heat Lo	g No.	Result
1	IA021014	HC2103018-0	3 Acce	ptable							

Approved by:

NDT Level:

Meng Yi

 $\mathsf{MT} \amalg$ 

Organization:

Date:

QC Department

2021.06

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

Customer:			Customer	PO#:		/		Dat	e:	2021.0	06
Drawing #:	FC105/103-00	Specification:	API Spec 6.		API Monog	gram:	6A-1748	Rep	Report #:		21021901-3
Part No.:	FC105/103-08	Material:	17-4PH 10	5K,Per AS	STM A693			Coa	ting:	/	
Description:	4-1/16"15000psi	Stem						Qua	antity:	1	
Equipment:	CW-10000	Acceptance Crite	ria:	API	6A/PSL3	Circu	lar AMPS:			1400A	
Test Method:	FluorescenceWet  Continuous	Particle Type:		Fluores	cence	UV-L	ight Intens	sity:		≥1000	OUw/ cm²
Stage:	Machined	Concentration:		0.3r	n/100ml	Magnetizing Time:		1-35			
Item	S/N	Heat Log No.	Re	sult	Item	S/N Heat Lo		it Log No. Re			
1	IA041003	HC2103025-08	Acce	ptable							

Fluorescent magnetic particle inspection was performed on all accessible wetted/sealing surfaces.

Evaluation & Disposition:	Found to be satisfactory							
Inspected by:	Meng Yi	Organization	QC Department					
Approved by:	Meng Yi	Organization:	QC Department					
NDT Level:	MTII	Date:	2021.06					

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

Customer:			Customer	PO#:		/		Date	::	2021.0	6
Drawing #:	FC105/103-00	Specification:	API Spec 6. /ASTM E70	API Monogram: 6A-1748 Report #: MT1					MT120	)21021901-4	
Part No.:	FC105/103-07	Material:	AISI 410 75	K,Per NA	ACE MR0175 Coating: /						
Description:	4-1/16"15000psi	Gate						Quai	ntity:	1	
Equipment:	CDW-10000	Acceptance Crit	eria:	API	6A/PSL3	Circu	lar AMPS:				3200A
Test Method:	FluorescenceWet Continuous	Particle Type:		Fluores	scence	UV-L	Light Intensity:		≥1000Uw/		OUw/ cm²
Stage:	Machined	Concentration:		0.3r	m/100ml	Magr	netizing Tii	me:			1-35
Item	S/N	Heat Log No.	Re	sult	Item		S/N		Heat Lo	g No.	Result
1	IA081006	C190425T4	Acce	ptable							
Sketch/Inspec	ction Coverage:										
Fluorescent m	agnetic particle insp	ection was perforn	ned on all acc	essible w	etted/sealing	g surfa	ces.				
Evaluation & [	Disposition:	Found to be satis	factory								
Inspected by:		Meng Yi									
		Meng Yi			Organizatio	n:	QC Depa	artmer	nt		
Approved by:		INIGHE Y									

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

Customer:			Customer I	PO#:		/		Date:		2021.0	)6
Orawing #:	FC105/103-00	Specification:		API Spec 6A /ASTM E709  API Monogram: 6A-1748 Report		Report	#:	MT2021021			
Part No.:	FC105/103-04	Material:	AISI 410 75K,Per NACE MR0175			Coating	g:	/			
Description:	4-1/16"15000psi	Body Bushing						Quanti	ty:	2	
Equipment:	CDW-10000	Acceptance Crite	ria:	API	6A/PSL3	Circu	lar AMPS:			3200A	
Test Method:	FluorescenceWet  Continuous	Particle Type:		Fluores	scence	UV-L	ight Intens	ity:		≥1000 cm²	0Uw/
Stage:	Machined	Concentration:		0.3r	m/100ml	Magı	netizing Ti	me:		1-35	
Item	S/N	Heat Log No.	Re	sult	Item		S/N	Н	eat Log	No.	Result
1	IA051031	HC2103023-08	Acce	otable							
2	IA051034	HC2103023-08	Acce	otable							
	ction Coverage:										

Fluorescent magnetic particle inspection was performed on all accessible wetted/sealing surfaces.

Evaluation & Disposition:	Found to be satisfactory		
Inspected by:	Meng Yi	Organization:	QC Department
Approved by:	Meng Yi	Organization.	де верантени
NDT Level:	MTII	Date:	2021.06

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### MAGNETIC PARTICLE INSPECTION REPORT

C105/103-00  EA416HLW15M	Specification:	API Spec 6A /ASTM E70	9	API Monog	gram:	6A-1748	Repor	t #:	MT202	1021901-6
	Material:	AISI 410 75	1/ D N/						MT2021021901-6	
1/16"15000000			K,Per NA	ACE MR0175			Coatin	ıg:	/	
-1/16"15000psi	Seat						Quant	ity:	2	
DW-10000	Acceptance Crite	ria:	API	6A/PSL3	Circu	lar AMPS:				3200A
uorescenceWet ontinuous	Particle Type:		Fluores	scence	UV-L	ight Intens	ity:		≥1000Uw/ cm²	
Machined	Concentration:		0.3r	0.3m/100ml Magnetizing Tir		ne:		1-35		
S/N	Heat Log No.	Res	sult	Item S/N		S/N	H	leat Log	No.	Result
IA061019	1502010-1	Accep	otable							
IA061008	1502010-1	Accep	otable							
ι	ontinuous  Machined  S/N  IA061019	Particle Type: Machined Concentration:  S/N Heat Log No.  IA061019 1502010-1	Particle Type:  Machined Concentration:  S/N Heat Log No. Res  IA061019 1502010-1 Accept	Particle Type: Fluores  Machined Concentration: 0.3r  S/N Heat Log No. Result  IA061019 1502010-1 Acceptable	Particle Type: Fluorescence  Machined Concentration: 0.3m/100ml  S/N Heat Log No. Result Item  IA061019 1502010-1 Acceptable	Authinuous  Machined Concentration:  S/N Heat Log No.  IA061019  Particle Type:  Fluorescence  UV-Live Substitution of the sub	Authorization Particle Type: Fluorescence UV-Light Intensional Particle Type: Fluorescence UV-Light Intensional Particle Type: O.3m/100ml Magnetizing Times S/N Heat Log No. Result Item S/N IA061019 1502010-1 Acceptable	Acceptable  Particle Type:  Particle Type:  Fluorescence  UV-Light Intensity:  UV-Light Intensity:  UV-Light Intensity:  UV-Light Intensity:  INDICATE OF THE STATE OF THE STA	Acceptable  Particle Type:  Particle Type:  Fluorescence  UV-Light Intensity:  UV-Light Intensity:  Magnetizing Time:  S/N  Heat Log No.  Result  Item  S/N  Heat Log  IA061019  1502010-1  Acceptable	Display to the particle Type:  Machined Concentration:  S/N Heat Log No.  IA061019  Particle Type:  Fluorescence  UV-Light Intensity:  0.3m/100ml Magnetizing Time:  S/N Heat Log No.  Result Item S/N Heat Log No.  Acceptable

Evaluation & Disposition:	Found to be satisfactory								
Inspected by:	Meng Yi	Organization	QC Department						
Approved by:	Meng Yi								
NDT Level:	MTII	Date:	2021.06						

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **HYDROSTATIC TEST REPORT**

Custome	r:		Custo	mer PO#:		/		Date:	2022	1.06	
Drawing	#: FC105/103-0	0 Specification:	API 6	A-20	API Monogram: 6A-1748		Report #:	HT202102	21901-1		
Part No.:	FC105/103-0	1 Material:	AISI 4	130 75K,Pe	r ASTM A29	9		Coating:	/		
Descripti	on: 4-1/16"15	000psi						Quantity:	1		
Iten			M	ethod			Qty		Result		
Shel	II 22500p	si	Α	PI 6A			1		ОК		
Sea	t 15000p	si	А	PI 6A			1		ОК		
	C/N		Resi	ult		C /N			Res	ult	
Item	S/N	Heat Log No.	Α	В	ltem	S/N		Heat Log No.	Α	В	
1	IA001019	HC2103024-03	OK	ОК							
Sketch/I	nspection Coverage										
	ification & Requiren										
					Арр	roved By	:	Exar	nined By:		
	ludamonta	[ V ] Confo	rms								
	Judgments:	[ ] Does No	t Conform	1	Meng Yi		You	ng Zhao			

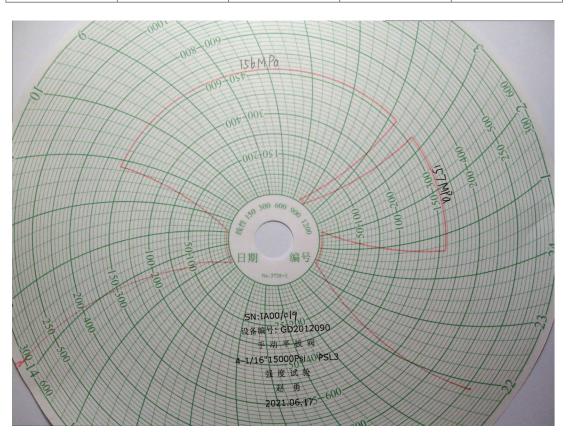
#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001019	4-1/16" 15000Psi	API 6A	Body	GD2012090	

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	157.0Mpa	156.3Mpa	180S	0.7Mpa
2	156.0Mpa	155.5Mpa	900S	0.5Mpa



TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:
Kai Guo	Yong Zhao	Meng Yi	2021.06.17

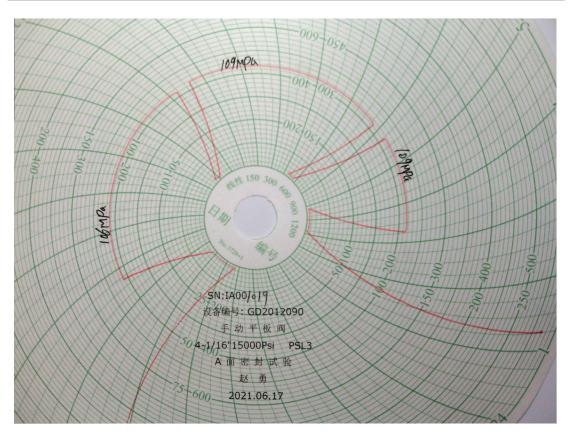
#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001019	4-1/16" 15000Psi	API 6A	Seat	GD2012090	

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	109.0Mpa	107.5Mpa	180S	1.5Mpa
2	109.0Mpa	107.9Mpa	900S	1.1Mpa
3	106.0Mpa	105.7Mpa	900S	0.3Mpa



TESTED BY:		INSPECTED BY:	REVIEWED BY:	DATE:	
	Kai Guo	Yong Zhao	Meng Yi	2021.06.17	

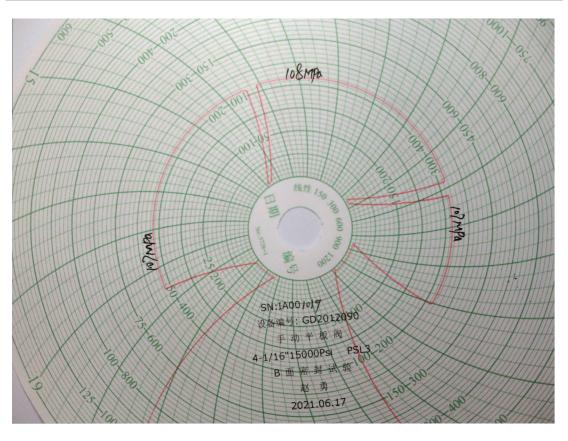
#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001019	4-1/16" 15000Psi	API 6A	Seat	GD2012090	

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	107.0Mpa	106.6Mpa	180S	0.4Mpa
2	108.0Mpa	106.9Mpa	900S	1.1Mpa
3	107.0Mpa	106.1Mpa	900S	0.9Mpa



TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:
Kai Guo	Yong Zhao	Meng Yi	2021.06.17

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **REPORT INDEX**

Purchase Order:	/	
Quantity:	1EA	
Shipment No.:	Crate# IA001020	
Shipment Date:	Jun.2021	

Activity No.	Characteristics	Reference Page
1	CERTIFICATE OF CONFORMITY	Page - 2
3	Metallurgical Test Certificate	Page - 3
3.1	Mechanical Testing	Page - 3
3.2	Chemical Testing	Page -3
3.3	Heat Treatment	Page - 3
4	Hardness Test	Page - 4-9
5	Ultrasonic Testing	Page - 10-15
6	Magnetic Particle Inspection Report	Page - 16-21
6	Hydrostatic Test	Page - 22-25

#### **CERTIFICATE OF CONFORMITY**

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

THE FOLLOWING ITEM IS IN CONFORMITY WITH PO # / , DRAWINGS AND ITS TECHNICAL REQUIREMENTS. IT IS MADE PER API - 6A MONOGRAM SPECIFICATIONS, EE CLASS, PSL3, PR1, LU. AND IT IS MADE OF MATERIAL (4130,75K YIELD) FOR NACE H2S SERVICE UNDER THE CURRENT NACE MR0175 EDITION.

ITEM: PO #: /

SERIAL NO.: IA001020

HEAT TREAT #: HC2103024-03 PART NO.: FC105/103-00 DRAWING NO: FC105/103-01

QANTITY: 1

INSPECTION STANDARD: API Spec 6A EE, PSL3, PR1, LU

THIS COMMODITY HAS PASSED ALL THE TECHNICAL AND PERFORMANCE TESTS CARRIED BY QUALITY CONTROL/INSPECTION DEPARTMENT.

COMPANY NAME: JSZX	INSPECTOR: Cong Mei Zhang
(STAMP)	CHIEF ENGINEER: Meng Yi
	EX-FACTORY DATE: Jun,2021
Customer:	P.O. Number:

# Jiangsu Zhengxuan Petroleum Machinery Co., Ltd

No.: AV00012

Date:Jun,2021

# **Certified Material Test Report**

Cus	Customer	PO	PO No.	Product		N/A		Serial No.	No.	Qty	Size	WP (psi)	Material	PSL	Temp		Specifications	S
			/	GATE VALVE		FC105/103-00	3-00	IA0010	20	1	4-1/16"	15000Psi	33	PSL3	Π		API SPEC 6A	
		Description	on			Melting Pra	actice					¥	leat Treatment					
				0 0 0 0	ć	1100		Austenized	ized		Quenched			Temper(1)			Temper(2)	
N/A	Parts	Melt No.	H.T. No.	Standards	ž >	No.	Finished	Temp (°C)	Time (min)	Medium	Start	Finish Temp	Temp (°C)	Time (min)	Medium	Temp (°C)	Time (min)	Medium
	BODY	20410367	HC2103024-03	AISI 4130 75K Per ASTM A29	-	IA011020	Forging	870	4.0Н	WATER	17	27	029	но:9	AIR	,	,	,

PSL 1emp Specifications PSL3 LU API SPEC 6A		Temper(1) Temper(2)	Time Medium Temp Time Medium (TC) (min)	6.0H AIR / / /	5.5H AIR / / /	div no	AIR 050 3.UI	AIR 680 6.0H	AIR 680 5.0H	AIR 680 5.0H AIR 670 4.0H	AIR 680 6.0H AIR 670 4.0H	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact(46°C) Impact direction Hardness Fqu	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact direction Hardness (Transverse) 66, 73, 69 211HB	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact direction Impact direction (Transverse) 66. 73. 69 211HB  72. 61, 80 213HB	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact direction (Transverse) 66. 73. 69 211HB  72. 61. 80 213HB  70. 65. 70 298HB	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact direction Hardness 6.0 2.11HB  72. 61, 80 2.13HB  72. 61, 80 2.98HB  59. 64, 63 2.25HB	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact (direction forms)  (Transverse) 66. 73. 69 211HB  72. 61. 80 213HB  70. 65. 70 298HB  59. 64. 63 225HB  74. 68. 72 221HB	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact direction Hardness 66. 67 229HB  70. 65. 70 298HB  59. 64. 63 225HB  74. 68. 72 221HB	AIR 680 6.0H  AIR 680 5.0H  AIR 670 4.0H  Impact (46°C) 11HB  (Transverse) 66, 73 69 21HB  72, 61, 80 213HB  70, 65, 70 298HB  59, 64, 63 225HB  74, 68, 72 221HB  60, 66, 67 229HB  er Inspections	AIR 680 6.0H  AIR 680 5.0H  Impact(-46°C) 1 masterse) 66.73 69 211HB  72. 61.80 213HB  70. 65.70 298HB  59. 64.63 225HB  74. 88. 72 221HB  60. 66. 67 229HB  61. 189. 64.63 65.60 66.67 229HB	AIR 680 6.0H  AIR 680 5.0H  Impact(-46°C) 4.0H  Impact direction Hardness (Transverse) 66.73 69 211HB  72. 61.80 213HB  72. 65.70 298HB  73. 69. 64. 63 225HB  74. 68. 72 221HB  60. 66. 67 229HB  er Inspections  & Requirements  AWINGS	AIR 680 6.0H  AIR 680 5.0H  Impact(-46°C) 4.0H  Impact direction Hardness 66. 73. 69 211HB  72. 61. 80 213HB  70. 65. 70 298HB  59. 64. 63 225HB  60. 66. 67 229HB  er Inspections  A.WINNOS OK	AIR 680 6.0H  AIR 680 6.0H  AIR 670 4.0H  Impact(46°C) Impact(46°C) Impact direction Impact direction 66. 73. 69 211HB 72. 61. 80 213HB 70. 65. 70 298HB 70. 65. 70 298HB 70. 66. 72 229HB 60. 66. 67 229HB 60. 66. 67 229HB 60. 66. 67 229HB 60. 68. 67 229HB	AIR 680 6.0H  AIR 680 6.0H  AIR 670 4.0H  Impact direction Impact direction (Transverse) 66. 73. 69 211HB  72. 61. 80 213HB  70. 65. 70 298HB  59. 64. 63 225HB  70. 65. 70 298HB  60. 66. 67 229HB  60. 66. 67 229HB  60. 66. 67 229HB  60. 68. 67 229HB
Material	Heat Treatment	Tempe	Temp Tim	670 6.0	680 5.5	HO.2 5.0H		700 6.0			Physical		0 0 0	0 0 0	0 0 0	0 0 0	0 0 0		0 0 0	0 0 Physical Elonga ion (% 22.0 22.0 24.0 24.0 23.0 23.0 25.5.5	20 20 Physical Elonga 20 1	0 Physical Elonga ion (% 22.0 22.0 24.0 24.0 23.0 23.0 23.0 25.5 25.5 5	0 0 Physical Flonga ion (% 22.0 22.0 22.0 23.0 23.0 22.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Physical Elongs ion (% 22.0 22.0 22.0 23.0 23.0 23.0 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25
6" USOOOPsi		ched	Finish Temp	27	27	26	36	}	46	48 48	7 46 46	Spec Tensile (MPa)								46 48 48 (MP (MP (MP (MP (MP (MP (MP (MP (MP (MP	(M	( M		<u>,                                    </u>
1 4-1/16"		Quenched	Medium Temp	WATER 17	WATER 17	WATER 17	OIL 32		OIL 39			OIL 39	OIL 39 OIL 39 C 0.5"x2"	OIL 39 OIL 39 C 0.5"x2" C 0.5"x2"	OIL 39 OIL 39 CO.5"X2" CO.5"X2" CO.5"X2"	OIL 39 OIL 39 CO.5'x2" CO.5'x2" CO.5'x2" CO.5'x2"	OIL 39 OIL 39 OIL 39 CO.5"x2" CC.5"x2" CC.5"x2" CC.5"x2" CC.5"x2"	OIL 39 OIL 39 OIL 39 CO.5'x2" CO.5'x2" CO.5'x2" CO.5'x2" CO.5'x2" CO.5'x2" CO.5'x2" CO.5'x2" CO.5'x2"	OIL 39 OIL 39 OIL 39 CO.5"x2" CO.5"x2" CO.5"x2" CO.5"x2" CO.5"x2" CO.5"x2"	OIL 39 OIL 39 OIL 39 OIL 39 CO.5"x2" CO.5"x2" CO.5"x2" CO.5"x2" CO.5"x2" CO.5"x2" CO.5"x2"	OIL 39 OIL 39 OIL 39 Spec Size	39 39 39 39 39 39 39 39 39 39 39 39 39 3	39 39 39 39 39 39 39 39 39 39 39 39 39 3	86 Size 86 Size 86 Size 86 Size 86 Size 86 Size 87 Siz
JA001020		Austenized	Time (min)	4.0H	4.0H	3.0Н	3.0Н		3.0н	3.0H	3.0H	3.0H 3.0H 8.0H	3.0H Nb / Nb / Nb	3.0H / NB	3.0H 3.0H 7	3.0H NB	3.0H	3.0H	3.0H	HO: 83.0H	3.0H	3.0H	3.0H	3.0H
₹ P		Aus	thed Temp	ging 870	ging 870	ar 1040	ging 1000		ar 960			8	8 ~	9	0	3	8	0	0	O	ar 960  Co w / / / / / / / / / / / / / / / / / /	ar 960  Co w / / / / / / / / / / / / / / / / / /	ar 960  Co W  /	ar 960  co w / / / / / / / / / / / / / / / / / /
FC105/103-00	Melting Practice		No. Finished	IA011020 Forging	IA021015 Forging	IA041001 Bar	IA081007 Forging		051027 Bar	IA051027 Bar IA051030 Bar IA061020 Bar IA061005		>	> ~	>	>	>	>	>	c Tes	> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	051027 B8 061020 B8 061020 V 061005 I 0.200 I 0.05 I I I I I I I I I I I I I I I I I I I	051027 B8 061020 B8 061020 N0 061005 I 0.200 I 0.05 I I I I I I I I I I I I I I I I I I I	051027 B8 061020 B8 061020 NO 061005 I 0.200 I 0.05 I I I I I I I I I I I I I I I I I I I	051027 B8 051030 061020 B8 061020 I 0.200 I 0.05 I V V V V V V V V V V V V V V V V V V V
Æ		č	ž ÷	-	~	~	~		2	0 0	2 2 nalysis (wt, %)	2 2 analysis (wt, %)	2 2 2 Nallysis (wt, %) Ni 0.04	2 2 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 Ni 0.04 0.04 4.57	2 2 Ni 0.04 4.57 0.19	2 2 2 Ni	2 2 2 Ni	2 2 2 Ni Mark, % Ni	2 2 2 Ni Mark, % Ni	2 2 2 Ni	1.07   1.00	MR0375   2   IA061027   Bar   960   3.0H   OIL	175 2 1A 175 2 1A 175 2 1A 11 Analysis (wt, %) 27 0.04 ( 1861 4.57 1.02 0.19 2.78 0.21 2.78 0.21 2.79 0.04 2.40 0.04 2.40 0.04 2.40 0.04 2.40 0.04 2.40 0.04 2.40 0.04 2.40 0.04 2.40 0.04 2.40 0.04 4.457 4.457 4.457 4.457 4.461 0.06 0.02
GATE VALVE		-	Standards Standards	AISI 4130 75K Per ASTM A29	AISI 4130 75K Per ASTM A29	17-4PH 105K PerASTMA693	AISI 410 75K PerNACE MR0175				AISI PerNA AISI PerNA	PerNA AISI	AISI PERNA	PerNA AISI PerNA P	PerNA AISI	PerNA AISI	PerNA AISI AISI AISI AISI AISI AISI AISI AI	Perna AISI AISI AISI AISI AISI AISI AISI AIS	Perna Alsi Perna Alsi Perna 14 0.000 145 0.000 124 0.000 126 0.000 127 0.001 127 0.001 128 0.000 129 0.000 129 0.000 120 0.000 121 0.001 121 0.001 121 0.001	Perna Alsi Alsi Alsi Alsi Alsi Alsi Alsi Alsi	ASISTAL PerNACE ANSI 41 PerNACE Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch	ASSMpa	ASSMpa	AIST41 PerNACE AIST41 PerNACE Ch 14 0.002 14 0.004 124 0.004 128 0.004 129 0.001 121 0.019 121 0.019 121 0.019 122 0.001 123 0.004
	uo		H.T. No.	HC2103024-03	HC2103018-03	HC2103025-08	C190425T4		HC2103023-08	HC2103023-08 1502010-1	HC2103023-08	HC2103023-08 1502010-1	HC2103023 1502010-	HC2103023 1502010 si 0.31	HC2103023 1502010- 5i 0.31 0.31	HC2103023 1502010- 5i 0.31 0.31 0.44 0.40	HC2103023 1502010- 5i Si 0.31 0.31 0.44 0.40	HC2103023 1502010- 5i Si 0.31 0.44 0.40 0.40	HC2103023 1502010- 5i 0.31 0.31 0.44 0.40 0.42	HC2103023-0: 1502010-1 1502010-1  Si  0.31 0.0.31 0.0.44 0.0.44 0.0.44 0.0.42 0.0.42	HC2103023-00 1502010-1  Si  Si  0.31  0.31  0.44  0.44  0.44  0.442  0.442  0.442	HC2103023-00 1502010-1 1502010-1  Si  Si  0.31 0.34 0.0.44 0.0.44 0.0.42 0.0.42 0.0.42   O.42   O.42   O.42   O.42   O.42	HC2103023-0 1502010-1 si si si 0.31 0.31 0.44 0.0.44 0.0.42 0.0.42 0.0.42 Seat	HC2103023-0 1502010-1 si si 0.31 0 0.44 0 0.44 0 0.44 0 0.44 0 0.44 0 0.44 0 Shell Shell Seat
ON CL	Description		Melt No.	20410367	21500679	YX1910-678	191-309		18209112692	18209112692	18209112692	18209112692 15016015409 C Mn	18209112692 15016015409 C Mn 0.30 0.59	18209112692 15016015409 C Mn 0.30 0.59 0.32 0.56	15016015409 15016015409 C Mn 0.30 0.59 0.32 0.56 0.026 0.48	11269	11269	11268	11268	01540	01540	01540	01546	11266
Customer			Parts	ВОДУ	BONNET	STEM	GATE		BODY BUSHING	BODY BUSHING SEAT	BUSHING SEAT	BODY BUSHING SEAT H.T. No.	BODY BUSHING SEAT H.T. No.	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103018-03	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103018-03 HC2103018-03	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103018-03 HC2103025-08 C19042514	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103025-08 C19042514 HC2103025-08	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103025-08 C19042514 HC2103023-08 1502010-1	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103018-03 HC2103025-08 C19042514 HC2103025-08 1502010-1	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103018-03 HC2103025-08 C19042574 HC2103023-08 1502010-1	BODY BUSHING SEAT H.T. No. HC2103018-03 HC2103025-08 C190425T4 HC2103023-08 1502010-1	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103018-03 HC2103025-08 C19042574 HC2103023-08 1502010-1	BODY BUSHING SEAT H.T. No. HC2103024-03 HC2103025-08 C19042874 HC2103023-08 T502010-1 Markings	BODY BUSHING SEAT SEAT A.T. No. H.C.103024-03 F9 HC2103025-08 F0 HC2103025-08 F0 HC2103023-08 F0 HC2103023-08
רשו			N/d				FC105/103-00					Melt No.	Melt No. 20410367	Melt No. 20410367 21500679	Melt No. 20410367 21500679 YX1910-678	Melt No. 20410367 21500679 YX1910-678 191-309	Melt No. 20410367 21506679 YX1910-678 191-309 18209112692	Melt No. 20410367 21500679 YX1910-678 191-309 18209112692	20410367 21500679 YX1910-678 191-309 18209112692 15016015409	Melt No. 20410367 21500679 YX1910-678 191-309 18209112692	Melt No. 20410367 21500679 YX1910-678 191-309 18209112692 15016015409	20410367 21500679 YX1910-678 191-309 18209112692 15016015409	Melt No. 20410367 21500679 YX1910-678 191-309 18209112692 15016015409	Melt No. 20410367 21500679 YX1910-678 191-309 18209112692 15016015409

This is to certify that all above items have been tested and inspected per scope of specifications, drawings, and the purchase orderand have been found to be satisfactory. The information in this report is true and correct to our knowledge.

NAME of QA Manager, for and on the authority of COMPANY NAME

Meng Yi

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#	<b>#</b> :		/		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	A	PI Mono	gram:	6A-1748	Report #:	H2021021901-1
Part No.:	FC105/103-01	Material:	AISI 4130 75K,	Per ASTI	M A29		,	Coating:	/
Description:	4-1/16"15000	psi Body						Quantity:	1
Item	S/N	Heat Log No.	Hardness	ı	tem		S/N	Heat Log No.	Hardness
1	IA011020	HC2103024-03	226HB/224H 229HB	1B					
Sketch:									
Method Used:		Impact Energy:	3000Kg.	Diamete	r of stee	l ball:	10mm		
Acceptable Ha	rdness:	197HBW-235HB	W		Approv	ved By:		Exami	ned By:
Judgments:		[ V] Conforms [ ] Does Not			Mer	ng Yi		Guo F	eng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#	t:	/		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Mono	ogram: 6	A-1748	Report #:	H2021021901-2
Part No.:	FC105/103-10	Material:	AISI 4130 75K,	Per ASTM A29	'		Coating:	/
Description:	4-1/16"15000	psi Bonnet					Quantity:	1
Item	S/N	Heat Log No.	Hardness	Item	S/I	N	Heat Log No.	Hardness
	IA021015	HC2103018-03	212HB					
Sketch:								
Method Used:		Impact Energy:	3000Kg.	Diameter of stee	l ball: 10n	nm		
Acceptable Ha		197HBW-235HBV			ved By:		Exam	ined By:
Judgments:		[ V] Conforms [ ] Does Not			ng Yi			Feng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#:		/	Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Monogra	am: 6A-1748	Report #:	H2021021901-3
Part No.:	FC105/103-08	Material:	17-4PH 105K,Per A	STM A693		Coating:	1
Description:	4-1/16"15000	psi Stem				Quantity:	1
Item	S/N	Heat Log No.	Hardness	Item	S/N	Heat Log No.	Hardness
1	IA041001	HC2103025-08	291HB				
Sketch:							
		LY					
Method Used:		Impact Energy:	3000Kg. Dian	neter of steel b	all: 10mm		
Acceptable Ha	rdness:	277HBW-311HB	w	Approved	d By:	Exam	ined By:
		[ V] Conforms					
Judgments:		[ ] Does Not	t Conform	Meng	Yi	Guo F	Feng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#	:	/		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API	Monogram:	6A-1748	Report #:	H2021021901-4
Part No.:	FC105/103-07	Material:	AISI 410 75K,P	er NACE N	IR0175		Coating:	TC
Description:	4-1/16"15000ps	i Gate					Quantity:	1
Item	S/N	Heat Log No.	Hardness	Item		S/N	Heat Log No.	Hardness
1	IA081007	C190425T4	221HB					
Sketch:						-		
Method Used	l:	Impact Energy:	3000Kg.	Diameter o	of steel ball:	10mm		
Acceptable H	ardness:	197HBW-235HB	W	-	Approved By:		Exam	ined By:
Judgments:		[ V] Conforms			Meng Yi		Guo F	eng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#:		/	Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Monog	gram: 6A-1748	Report #:	H2021021901-5
Part No.:	FC105/103-04	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	1
Description:	4-1/16"15000	psi Body bushing	5			Quantity:	2
Item	S/N	Heat Log No.	Hardness	Item	S/N	Heat Log No.	Hardness
1	IA051027	HC2103023-08	219HB				
2	IA051030	HC2103023-08	219HB				
Sketch:  Method Used: Acceptable Ha		Impact Energy: 197HBW-235HBV		meter of steel		Exam	ined By:
Judgments:		[ V] Conforms [ ] Does Not		Men			Feng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer PO#:	/		Date:	Jun,2021
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM E10	API Monogram:	6A-1748	Report #:	H2021021901-6
Part No.:	SEA416HLW15M	Material:	AISI 410 75K,Per NA	ACE MR0175		Coating:	/
Description:	4-1/16"15000p	si Seat				Quantity:	2
Item	S/N	Heat Log No.	Hardness	Item	S/N	Heat Log No.	Hardness
1	IA061020	1502010-1	226HB				
2	IA061005	1502010-1	223HB				
Sketch:							
Method Used:		Impact Energy:	3000Kg. Diame	eter of steel ball:	10mm		
Acceptable Ha	rdness:	197HBW-235HBV	V	Approved By	<i>y</i> :	Exami	ined By:
Judgments:		[ V] Conforms		Meng Yi		Guo F	eng Hu

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:		/	Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monograi	m: 6A-1748	Report #:	UT2021021901-1
Part No.:	FC105/103-01	Material:	AISI 4130 75K,Per	ASTM A29	<u>'</u>	Coating:	/
Description:	4-1/16"15000	psi Body				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA011020	HC2103024-03	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:		/	Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogra	am: 6A-1748	Report #:	UT2021021901-2
Part No.:	FC105/103-10	Material:	AISI 4130 75K,Pei	ASTM A29		Coating:	/
Description:	4-1/16"15000	psi Bonnet				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA021015	HC2103018-03	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-3
Part No.:	FC105/103-08	Material:	17-4PH 105K,Per	ASTM A693	'	Coating:	/
Description:	4-1/16"15000	psi Stem				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA041001	HC2103025-08	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P⊄14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT12021021901-4
Part No.:	FC105/103-07	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	TC
Description:	4-1/16"15000	psi Gate				Quantity:	1
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA081007	C190425T4	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P ⊄ 14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-5
Part No.:	FC105/103-04	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	/
Description:	4-1/16"15000	psi Body Bushing	,			Quantity:	2
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA051027	HC2103023-08	Acceptable				
2	IA051030	HC2103023-08	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P ⊄ 14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **ULTRASONIC EXAMINATION REPORT**

Customer:			Customer PO#:	/		Date:	2021.06
Drawing #:	FC105/103-00	Specification:	API Spec 6A /ASTM A388	API Monogram:	6A-1748	Report #:	UT2021021901-6
Part No.:	SEA416HLW15M	Material:	AISI 410 75K,Per	NACE MR0175		Coating:	/
Description:	4-1/16"15000p	si Seat				Quantity:	2
Item	S/N	Heat Log No.	Result	Item	S/N	Heat Log No.	Result
1	IA061020	1502010-1	Acceptable				
2	IA061005	1502010-1	Acceptable				

#### Sketch:

UT Code:	ASME SECTION 5	Technique:	Straight/Contact	Examined By:	Yi Meng
Exam. Stage:	Rough After	Calibration:	Block: CSK- I A&CS-1-5	Level as per UT:	II
Equipment:	SUB110				
Date of calibration	2021.04.07	Couplant:	OIL		
Period of validity	2022.04.06				
Probe Used:	2.5P ⊄ 14	Acceptance Criteria:	API 6A PSL3 EE LU	Approved by:	Yi Meng
Instrmt/Ident.#:		Test Gain:	20db+4db	Level as per UT:	II

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer	PO#:		/		Date:	:	2021.0	)6
Drawing #:	FC105/103-00	Specification:	API Spec 6. /ASTM E70		API Monog	ram:	6A-1748	Repo	rt #:	MT202	21021901-1
Part No.:	FC105/103-01	Material:	AISI 4130 7	75K,Per <i>A</i>	ASTM A29			Coati	ng:	/	
Description:	4-1/16"15000psi	Body						Quan	itity:	1	
Equipment:	CDW-10000	Acceptance Crit	eria:	API	6A/PSL3	Circu	lar AMPS:				3200A
Test Method:	FluorescenceWet Continuous	Particle Type:		Fluore	scence	UV-L	ight Intens	sity:		≥100	0Uw/ cm²
Stage:	Machined	Concentration:		0.31	m/100ml	Magı	netizing Ti	me:			1-3S
Item	S/N	Heat Log No.	Re	sult	Item		S/N		Heat Lo	g No.	Result
1	IA011020	HC2103024-0	3 Acce	otable							
	ction Coverage: nagnetic particle insp	ection was perforn	ned on all acco	essible w	vetted/sealing	g surfac	ces.				
Evaluation & F	Disposition:	Found to be satis	sfactory								
		Found to be satis	sfactory								
Evaluation & I  nspected by:  Approved by:		Found to be satis Meng Yi Meng Yi	sfactory		Organizatio	on:	QC Depa	artmen	t		

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **MAGNETIC PARTICLE INSPECTION REPORT**

Customer:			Customer			/		Date:	2021.	06
Drawing #:	FC105/103-00	Specification:	API Spec 6		API Mono	gram:	6A-1748	Report #	: MT20	21021901-2
Part No.:	FC105/103-10	Material:	AISI 4130	75K,Per A	STM A29			Coating:	/	
Description:	4-1/16"15000psi	Bonnet						Quantity: 1		
Equipment:	CDW-10000	Acceptance Crit	eria:	API	6A/PSL3	Circu	lar AMPS:			3200A
Test	FluorescenceWet	Doubiele Ture		- Fluores		1107.1	:		>100	2011/ 2002
Method:	Continuous	Particle Type:		Fluores	scence	UV-L	ight Intens	sity:	<b>=100</b>	00Uw/ cm <sup>2</sup>
Stage:	Machined	Concentration:		0.3r	m/100ml	Mag	netizing Ti	me:		1-35
Item	S/N	Heat Log No.	Re	sult	Item		S/N	Hea	at Log No.	Result
1	IA021015	HC2103018-03	3 Acce	ptable						

Organization:

Date:

QC Department

2021.06

Found to be satisfactory

Meng Yi

Meng Yi

 $\mathsf{MT} \amalg$ 

Evaluation & Disposition:

Inspected by:

Approved by:

NDT Level:

#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **MAGNETIC PARTICLE INSPECTION REPORT**

Drawing #:			Customer	PO#:		/		Date:		2021.0	06
	FC105/103-00	Specification:	API Spec 6		API Mono	gram:	6A-1748	Repor	t #:	MT202	21021901-3
Part No.:	FC105/103-08	Material:	17-4PH 10	17-4PH 105K,Per ASTM A693			Coating:		/		
Description:	4-1/16"15000psi	Stem						Quant	tity:	1	
Equipment:	CW-10000	Acceptance Crit	eria:	API	6A/PSL3	Circu	ılar AMPS:				1400A
	FluorescenceWet Continuous	Particle Type:		Fluores	cence	UV-L	ight Intens	ity:		≥100	0Uw/ cm²
Stage:	Machined	Concentration:		0.3r	n/100ml	Mag	netizing Tii	me:			1-35
Item	S/N	Heat Log No.	Re	esult	Item		S/N	Н	Heat Lo	g No.	Result
1	IA041001	HC2103025-0	8 Acce	ptable							
	ion Coverage:										

Organization:

Date:

QC Department

2021.06

Inspected by:

Approved by:

NDT Level:

Meng Yi

Meng Yi

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer	PO#:		/		Date:		2021.0	06
Drawing #:	FC105/103-00	Specification:	API Spec 6		API Monog	gram:	6A-1748	Repor	rt #:	MT12021021901-4	
Part No.:	FC105/103-07	Material:	AISI 410 75	5K,Per N	ACE MR0175	5		Coatii	ng:	/	
Description:	4-1/16"15000psi	Gate	'					Quan	tity:	1	
Equipment:	CDW-10000	Acceptance Crit	eria:	API	6A/PSL3	Circu	lar AMPS:				3200A
Test Method:	FluorescenceWet Continuous	Particle Type:		Fluore	scence	UV-L	ight Intens	sity:		≥100	0Uw/ cm²
Stage:	Machined	Concentration:		0.3	m/100ml	Mag	netizing Ti	me:			1-3S
Item	S/N	Heat Log No.	Re	sult	Item		S/N		Heat Lo	og No.	Result
1	IA081007	C190425T4		ptable	100111		5,			8.101	court
Fluorescent m  Evaluation & I  Inspected by:	nagnetic particle insp	Found to be satis		essible v	vetted/sealin		QC Depa	artment			
Approved by:		Meng Yi			Organizati	J.1.	QC Depa	ai tiilEill			

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

05/103-00 05/103-04 1/16"15000psi W-10000 orescenceWet attinuous Machined S/N 1A051027 1A051030	Specification:  Material:  Body Bushing  Acceptance Criter  Particle Type:  Concentration:  Heat Log No.  HC2103023-08  HC2103023-08	Res Accep	API Fluores 0.3r	API Monog ACE MR0175 6A/PSL3 scence n/100ml Item	Circu UV-Li	6A-1748 lar AMPS:	Repo Coat Quar ity:	ing:	/ 2 ≥1000	3200A DUw/
W-10000  orescenceWet ontinuous  Machined  S/N  IA051027	Body Bushing  Acceptance Criter  Particle Type:  Concentration:  Heat Log No.  HC2103023-08	Res Accep	API Fluores 0.3r	6A/PSL3 scence m/100ml	Circu UV-Li	ght Intens	Quar		2 ≥1000	
W-10000 prescenceWet ntinuous Machined S/N IA051027	Acceptance Criter  Particle Type:  Concentration:  Heat Log No.  HC2103023-08	Res	Fluores 0.3r sult	scence m/100ml	UV-Li	ght Intens		ntity:	≥1000	
orescenceWet htinuous Machined S/N IA051027	Particle Type:  Concentration:  Heat Log No.  HC2103023-08	Res	Fluores 0.3r sult	scence m/100ml	UV-Li	ght Intens	ity:		≥1000	
Machined S/N IA051027	Concentration: Heat Log No. HC2103023-08	Accer	0.3r sult	n/100ml			ity:			)Uw/
S/N IA051027	Heat Log No. HC2103023-08	Accer	sult		Magr		nsity:		cm <sup>2</sup>	
IA051027	HC2103023-08	Accer		Item		etizing Tir	ne:			1-35
						S/N		Heat Lo	g No.	Result
IA051030	HC2103023-08	Accer	otable							
		, ,,,,,,	otable							
	Coverage:	Coverage:	Coverage:	Coverage:	Coverage					

Evaluation & Disposition:	Found to be satisfactory	ound to be satisfactory				
Inspected by:	Meng Yi	Organization:	QC Department			
Approved by:	Meng Yi	Organization.	де верантени			
NDT Level:	MTII	Date:	2021.06			

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

Customer:			Customer I			/		Dat	e:	2021.0	06
Drawing #:	FC105/103-00	Specification:	API Spec 6/		API Monog	ram:	6A-1748	Rep	ort #:	MT202	21021901-6
Part No.:	SEA416HLW15M	Material:	AISI 410 75	K,Per NA	ACE MR0175			Coa	iting:	/	
Description:	4-1/16"15000psi	Seat						Qua	antity:	2	
Equipment:	CDW-10000	Acceptance Crite	ria:	API	6A/PSL3	Circu	ılar AMPS:				3200A
Test Method:	FluorescenceWet Continuous	Particle Type:		Fluores	scence	UV-L	ight Intens	ity:		≥100 cm²	0Uw/
Stage:	Machined	Concentration:		0.3r	n/100ml	Mag	netizing Ti	ne:			1-35
Item	S/N	Heat Log No.	Re	sult	Item		S/N		Heat Lo	g No.	Result
1	IA061020	1502010-1	Accep	ptable							
2	IA061005	1502010-1	Acce	ptable							
	ction Coverage:	ection was perform	ed on all acc	essible w	vetted/sealin	g surfa	ices.				

Evaluation & Disposition:	Found to be satisfactory					
Inspected by:	Meng Yi	Organization:	QC Department			
Approved by:	Meng Yi					
NDT Level:	MTII	Date:	2021.06			

# Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

#### **HYDROSTATIC TEST REPORT**

Custome	r:		Custo	mer PO#:		/		Date:	202:	1.06	
Drawing	#: FC105/103-00	Specification:	API 6	A-20	API Monog	ram:	6A-1748	Report #:	HT202102	21901-1	
Part No.:	FC105/103-03	Material:	AISI 4	130 75K,Pe	ASTM A29			Coating:	/		
Descripti	on: 4-1/16"150	00psi						Quantity:	1		
Iten			Me	ethod			Qty		Result		
Shel	II 22500ps	i	Al	PI 6A			1		ОК		
Sea	t 15000ps	i	Al	PI 6A			1		ОК		
	6.45		Resu	ult		C /N			Resu		
Item	S/N	Heat Log No.	Α	В	tem	S/N		Heat Log No.	Α	В	
1	IA001020	HC2103024-03	OK	ОК							
Skotab /I	nspection Coverage:										
	ification & Requirem										
					Appro	ved By	:	Exar	nined By:		
	Judgments:	[ V ] Confo	rms			ved By	r:		mined By:		

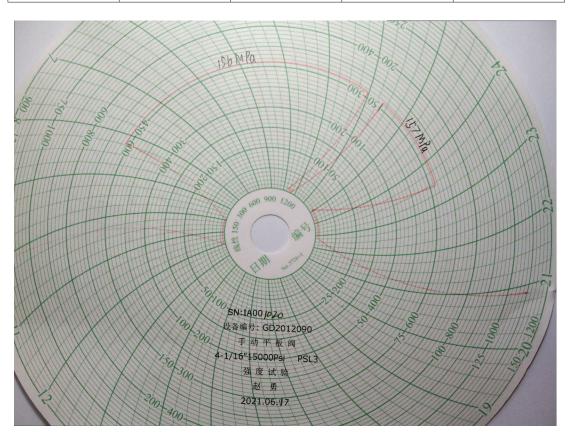
#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001020	4-1/16" 15000Psi	API 6A	Body	GD2012090	

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	157.0Mpa	156.2Mpa	180S	0.8Mpa
2	156.0Mpa	155.6Mpa	900S	0.4Mpa



TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:
Kai Guo	Yong Zhao	Meng Yi	2021.06.17

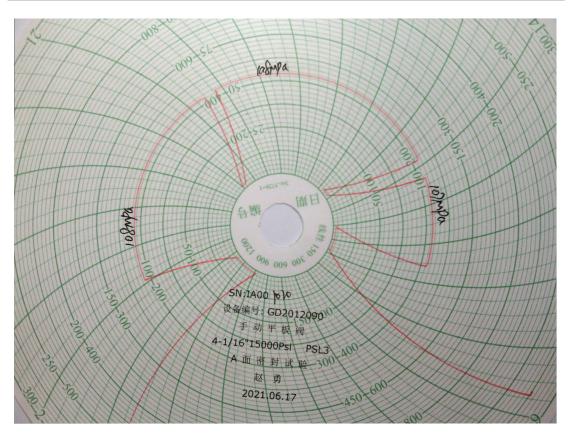
#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001020	4-1/16" 15000Psi	API 6A	Seat	GD2012090	

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	107.0Mpa	106.7Mpa	180S	0.3Mpa
2	108.0Mpa	107.2Mpa	900S	0.8Mpa
3	108.0Mpa	107.4Mpa	900S	0.6Mpa



TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:
Kai Guo	Yong Zhao	Meng Yi	2021.06.17

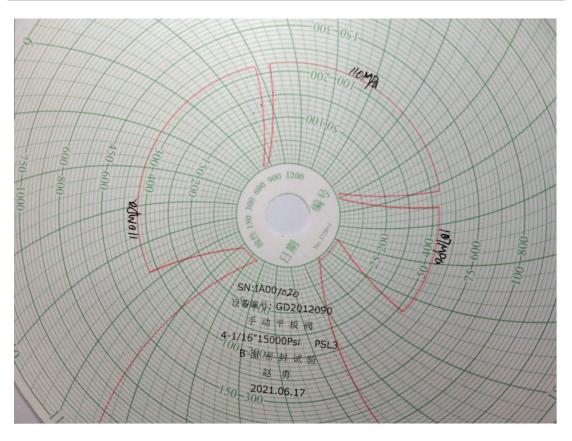
#### Jiangsu Zhengxuan Petroleum Machinery Co.,Ltd

# **Pressure Test Report**

#### **Product Information**

PRODUCT	PRODUCT	SPECS	PRESSURE	TEST PART	EQUIPMENT	BRAND
NAME	NO.		TEST		NO.	
			STANDARDS			
GATE VALVE	IA001020	4-1/16" 15000Psi	API 6A	Seat	GD2012090	

LEVEL	INITIAL PRESSURE	TERMINATED	HOLDING TIME	PRESSURE
		PRESSURE		DROPPING
1	107.0Mpa	106.4Mpa	180S	0.6Mpa
2	110.0Mpa	108.7Mpa	900S	1.3Mpa
3	110.0Mpa	108.5Mpa	900S	1.5Mpa



	TESTED BY:	INSPECTED BY:	REVIEWED BY:	DATE:	
Kai Guo		Yong Zhao	Meng Yi	2021.06.17	