

CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & WITNESS PRESSURE TEST

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-24-09-TSS-NDT-117
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	SPECIFICATION:	ASTM E709 & ASTM E797 & ASME B31.1
WORK ORDER #	****		
DATE OF INSPECTION:	Sunday, September 1, 2024	NEXT INSPECTION DATE:	Sunday, August 31, 2025
TYPE OF INSPECTION:	VISUAL INSPECTION, AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING & WITNESS PRESSURE TEST		

DESCRIPTION:	GATE VALVE: 3 1/8" 5K	SERIAL NO:	030551
MANUFACTURER:	MCM OIL TOOLS		

INSPECTION DETAILS

Max. Working Pressure:	5,000 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump NO.:	EQ NO:13119220 Cal DUE Date: 19.AUG.2025	Pressure Gauge NO.:	218230280019 Cal DUE Date: 06.MAR.2025

ONLINE TRACEABILITY

A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C:6'O CLOCK / AFT

* ALL READINGS IN INCH
**MINIMUM THICKNESS PROVIDED BY CUSTOMER

POINTS	THICKNESS AT POSITION				MINIMUM THICKNESS		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.087	1.115	1.597	1.689	0.310	0.940	1.060
90°	1.098	1.105	1.588	1.693	0.310	0.940	1.060
180°	1.130	1.148	1.538	1.670	0.310	0.940	1.060
270°	1.110	1.126	1.649	1.747	0.310	0.940	1.060

INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709
UT	Accepted	According to ASTM E797
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709
U.T-The Above Item Was Found Acceptable As Per ASTM E797
Pressure Test-The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 5.000 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS




TECHNICAL DETAILS

AC YOKE S.N:	201504048	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURER	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURER	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3640 lux						

PERSON DETAILS

INSPECTOR NAME:	M.Shahzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HD&SIGN	
SIGNATURE & STAMP:				DATE:	






CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & WITNESS PRESSURE TEST											
Client:		HALLIBURTON (TSS)			Report No:		QC-7-09-TSS-NDT-118				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER		---				
Date:		Sunday, September 1, 2024			Next Inspection Date:		Sunday, August 31, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A				
				UNIT DESCRIPTION:		Flange 3 1/8" 5K X 3"1502 Thread					
				UNIT S/N:		PETROFAC 1551-WN-2					
				Pump S.N.:		13119220 Cal DUE. 19.AUG.2025		Pressure Gauge NO.:		218230280019 Cal DUE. 06.MAR.2025	
				INSPECTION RESULT :							
				VISUAL , THOROUGH EXAMINATION		VISUAL & MAGNETIC PARTICLE INSPECTION (M.P.I.) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION					
				MAGNETIC PARTICLE INSPECTION		Thread & Groove areas inspected and found free from cracks and other defects					
				FINAL RESULTS		THE ABOVE INSPECTED AREAS WAS ACCEPTED					
COMMENT:											
(MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
Pressure Test-The Above Item was Pressure Tested to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 5000 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable According To Chart Recorder Attached											
EQUIPMENT DETAILS					PERSON DETAILS			REVIEW BY			
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3140 µw/cm ²	INSPECTOR NAME: M.SHAHZAD AHMED		SENIOR INSPECTOR:	NAVEED HUSSAIN		
S.NO:	201504048	S.NO:	22650	S.NO:	1898977			SUPERVISOR:	HANI ALI		
Cal Due Date:	14.OCT.2024	Cal Due Date:	15.OCT.2024	Cal Due Date:	14.OCT.2024			QUALIFICATION: ASNT LEVEL II MT & PT & VT	CLIENT:		
FLUORESCENT 14HF		Magnaflux	Batch No:	220306	EXPIRE DATE:			MARCH,2025			
Whie Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025					
TECHNICAL DETAILS					Black Magnetic Ink Manufacture:7HF		STAMP & SIGNATURE:				
Digital Lux Meter WHITE LIGHT INTENSITY:				Batch No:220605							
3640 Lux/S.NO:2722003	Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml								
Cal Due Date:16.OCT.2024	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		EXPIRE DATE:		Jul-25				

Original - Client Files Copy - Area Office QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021



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CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & WITNESS PRESSURE TEST									
Client:	HALIBURTON (TSS)			Report No:	QC-7-09-TSS-NDT-119				
Location:	TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER	---				
Date:	Sunday, September 1, 2024			Next Inspection Date:	Sunday, August 31, 2025				
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A				
				UNIT DESCRIPTION:	Flange 3 1/8" 5K X 3"1502 Wing				
				UNIT S/N:	PETROFAC 1551-WN-1				
				Pump S.N.:	13119220 Cal DUE. 19.AUG.2025	Pressure Gauge NO.:	218230280019 Cal DUE. 06.MAR.2025		
				INSPECTION RESULT :					
				VISUAL , THOROUGH EXAMINATION	VISUAL & MAGNETIC PARTICLE INSPECTION (M.P.I.) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION				
MAGNETIC PARTICLE INSPECTION	Thread & Groove areas inspected and found free from cracks and other defects								
FINAL RESULTS	THE ABOVE INSPECTED AREAS WAS ACCEPTED								
COMMENT:									
(MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast									
Pressure Test-The Above Item was Pressure Tested to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 5000 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable According To Chart Recorder Attached									
EQUIPMENT DETAILS				PERSON DETAILS		REVIEW BY			
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3140 µw/cm ²	INSPECTOR NAME:	M.SHAHZAD AHMED	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.NO:	201504048	S.NO:	22650	S.NO:	1898977		QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:	HANI ALI
Cal Due Date:	14.OCT.2024	Cal Due Date:	15.OCT.2024	Cal Due Date:	14.OCT.2024			CLIENT:	
FLUORESCENT 14HF	Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025				
Whie Contrast Paint Manufacture:	Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025				
TECHNICAL DETAILS				Black Magnetic Ink Manufacture:7HF		STAMP & SIGNATURE:			
Digital Lux Meter WHITE LIGHT INTENSITY:				Batch No:220605					
3640 Lux/S.NO:2722003	Wet FLUORESCENT Particle Concentration 14 HF			0.1 to 0.4 ml/100 ml					
Cal Due Date:16.OCT.2024	Black Magnetic Ink Concentration 7 HF			1.2 to 2.4 ml/100 ml		EXPIRE DATE:			Jul-25

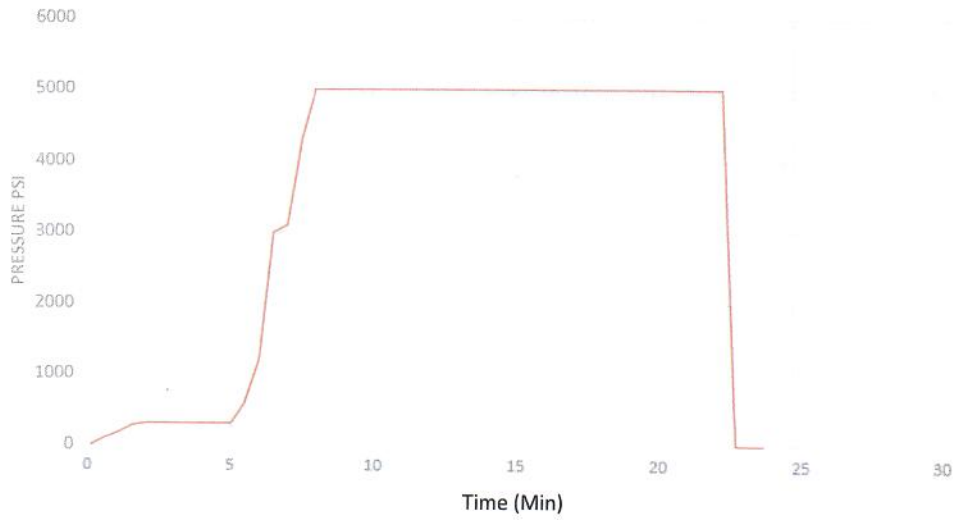
Original - Client Files Copy - Area Office QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	9:01 AM
Stop Time	9:24 AM
Test Date	1-Sep-24
EQ NUMBER	030551

READING



TESTED BY : Feras Abbas
APPROVED BY: Khaldoon Asad
COMMENTS: Valve Test

