

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

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-25-01-TSS-TP-001
LOCATION:	TAREEK ALSALEM YARD	STANDARD:	ASTM E709 & ASTM E797 & ASME B31.1
INSPECTION DATE:	Monday, January 6, 2025	INSPECTION.DUE DATE:	Saturday, July 5, 2025
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING & WITNESS PRESSURE TEST		
PUMP DESCRIPTION:	DIESEL TRANSFER PUMP 5K	WORKING PRESSURE	1500 PSI
UNIT DESCRIPTION:	4" INLET LINE	PUMP SAP NO:	124470
Pump NO:	13119220 CAL DUE DATE 19.AUG.2025	Pressure Gauge NO:	218230280019 CAL DUE DATE 06.MAR.2025

INSPECTION DETAILS

ONLINE TRACEABILITY

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

(a) Normal condition

Underline: (b) Corrosion present on back surface
Reductive notch (erosion) area caused by
diffusion reduction caused by corrosion
underneath.

THICKNESS POINTS AREA	WALL THICKNESS RESULT				MINIMUM THICKNESS
	0°	90°	180°	270°	
A	7.22	7.02	7.16	6.92	4 MM
B	6.98	6.70	6.67	6.82	
C	7.09	6.83	7.14	7.01	
D	7.05	7.18	6.90	6.76	
E	6.87	6.78	6.59	6.69	
F	7.17	7.07	6.97	7.25	
G	7.34	7.54	7.21	7.39	
H	6.43	6.25	6.19	6.38	
I	6.36	6.41	6.30	6.27	
J	6.79	6.66	6.56	6.52	
K	6.92	7.15	7.03	6.88	
L	6.66	6.58	6.51	6.60	
M	7.07	7.15	7.09	7.22	

INSPECTION RESULT		
VT & MPI	Accepted	According to ASTM E709
UT	Accepted	According to ASTM E 797

Inspection Evaluation

MPI - The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According to ASTM E709
 Note:MPI Wet Fluorescent inspection Thread With UltraViolet Light
 Magnetic Particle Inspection With A/C Hand Yoke Welds & Available Areas
 U.T-The Above Item Was Found Acceptable As Per ASTM E797
 Pressure Test Witness-The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1500 psi Hold 15 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	11-Apr-25	White Contrast WCP 2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	13-Apr-25		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	11-Apr-25	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	12-Apr-25		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	11-Apr-25	Fluorescent Magneto Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE
DC COIL:	22650	CAL DUE DATE	12-Apr-25		Magnaflux	220306	March.2025
UV BLACK LIGHT:	1898977	CAL DUE DATE	11-Apr-25	Concentration of 14HF:		0.1 to 0.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3630 lux	UV BLACK LIGHT INTENSITY:	3190 µw/cm²	Concentration of 7HF:		1.2 to 2.4 ml/100 ml	

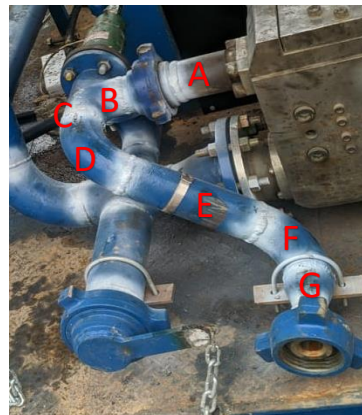
PERSON DETAILS		REVIEW BY		
INSPECTOR NAME:	M.Shahzad Ahmed	SENIOR INSPECTOR:	NAVERED HUSSAIN	CLIENT:
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN
SIGNATURE & STAMP:				DATE:

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

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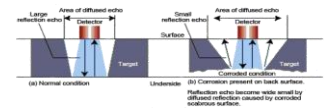
CLIENT:	HALLIBURTON	REPORT No.:	QC-25-01-TSS-TP-002
LOCATION:	TAREEK ALSALEM YARD	STANDARD:	ASTM E709 & ASTM E797 & ASME B31.1
INSPECTION DATE:	Monday, January 6, 2025	INSPECTION.DUE DATE:	Saturday, July 5, 2025
TYPE OF INSPECTION: VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING & WITNESS PRESSURE TEST			
PUMP DESCRIPTION:	DIESEL TRANSFER PUMP 5K	WORKING PRESSURE	1500 PSI
UNIT DESCRIPTION:	3"OUT LET LINE	PUMP SAP NO:	124470
Pump NO:	13119220 CAL DUE DATE 19.AUG.2025	Pressure Gauge NO:	218230280019 CAL DUE DATE 06.MAR.2025

INSPECTION DETAILS



ONLINE TRACEABILITY

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



THICKNESS POINTS AREA	WALL THICKNESS RESULT				MINIMUM THICKNESS
	0°	90°	180°	270°	
A	10.21	10.09	10.26	10.14	5 MM
B	8.01	7.89	8.08	8.16	
C	7.92	7.83	7.88	7.81	
D	7.79	7.91	7.85	7.89	
E	8.12	8.19	8.04	7.93	
F	8.25	8.07	8.16	8.29	
G	8.05	7.93	8.12	8.02	

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709
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INSPECTION EQUIPMENT DETAILS

TECHNICAL DETAILS

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WHITE LIGHT INTENSITY:	3630 lux	UV BLACK LIGHT INTENSITY:	3190 µw/cm²	Concentration of 7HF:		1.2 to 2.4 ml/100 ml	

PERSON DETAILS

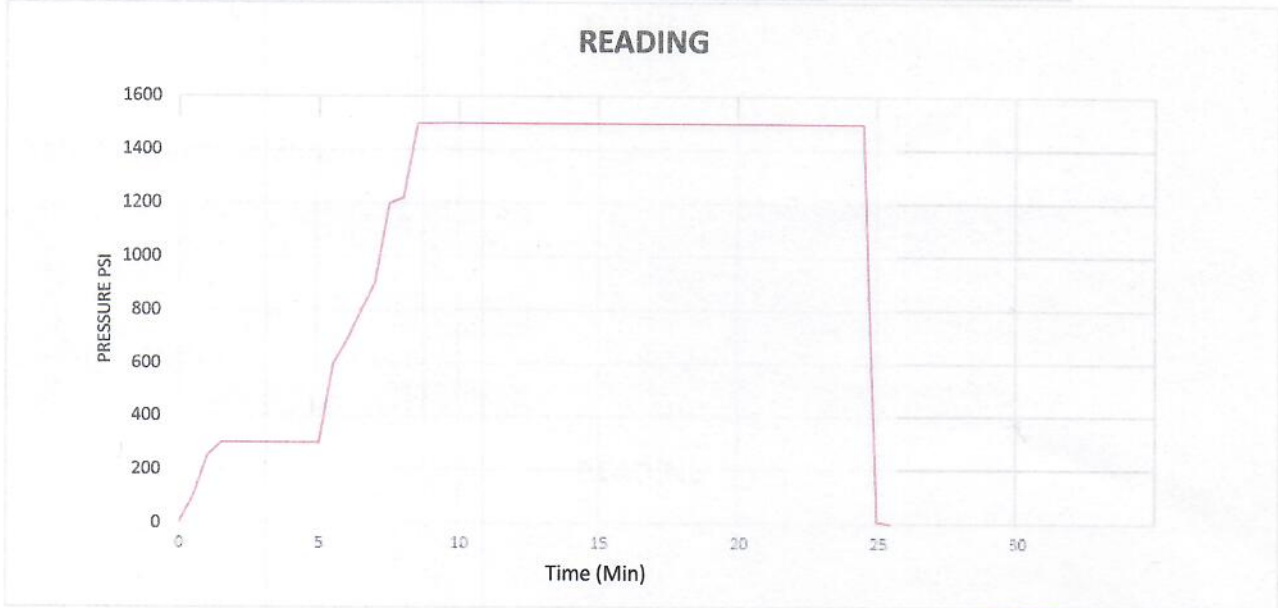
REVIEW BY

INSPECTOR NAME:	M.Shahzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	AI, E, T, S, P, 1, 1	INSPECTION SUPERVISOR:	HANI ALI	HS&SIGN	
SIGNATURE & STAMP:				DATE:	

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	9:06 AM
Stop Time	9:31 AM
Test Date	6-Jan-25
EQ NUMBER	124470



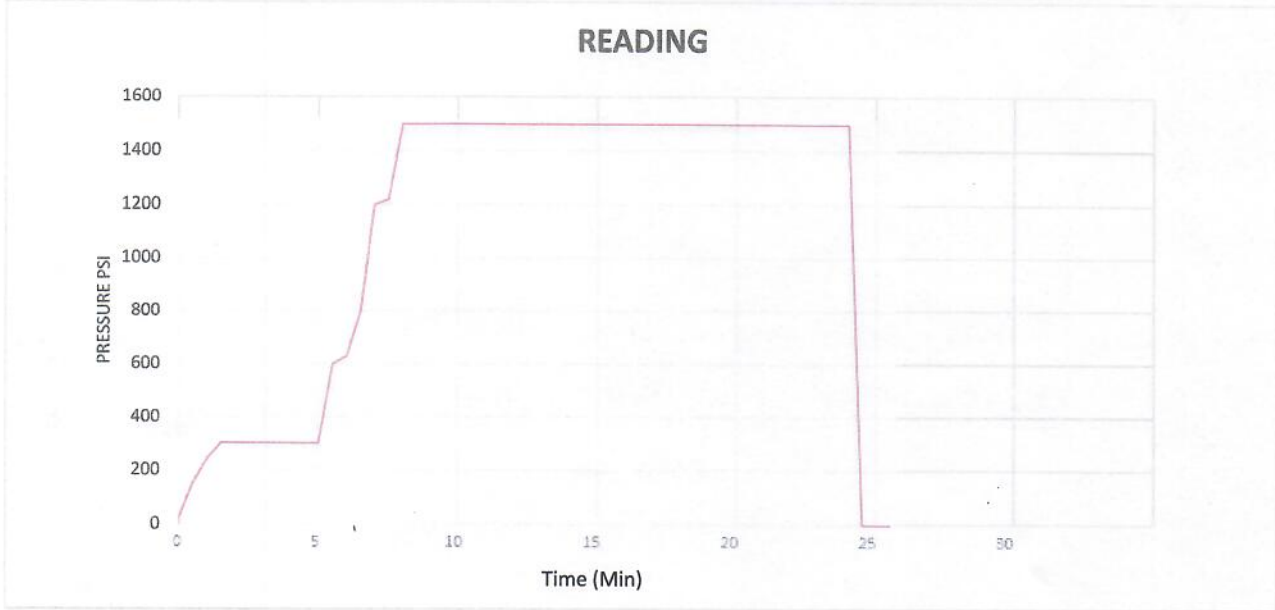
TESTED BY : Ali Al-Salim
APPROVED BY: Feras Abbas
COMMENTS: Inlet Test



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	9:40 AM
Stop Time	10:04 AM
Test Date	6-Jan-25
EQ NUMBER	124470



TESTED BY : Ali Al-Salim
APPROVED BY: Feras Abbas
COMMENTS: Outlet Test

