

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

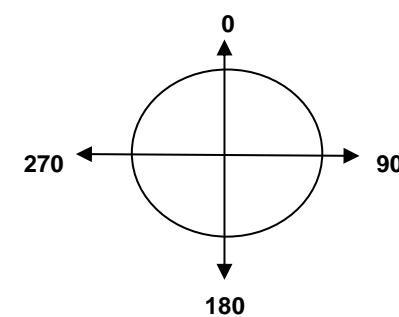
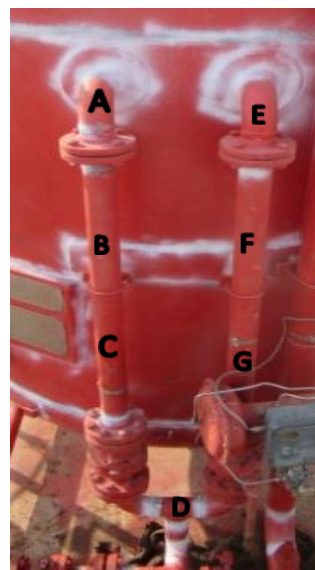
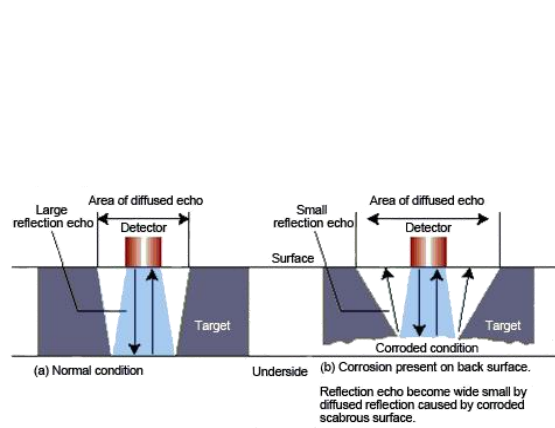


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & PRESSURE TEST

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-01-TSS-005-NDT-004
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326104073	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	13-JAN-2024	INSP. DUE DATE:	12-Jan-2025
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	INLET LINE SURGE TANK 50BBL 250PSI	SAP NO.:	12006761
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	SO 3341-4
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	15 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



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 CUSTMER

ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.306	0.304	0.307	0.309	11.13 MM 0.438 INCH	SATISFACTORY
B	0.312	0.315	0.321	0.318		
C	0.316	0.319	0.304	0.322		
D	0.291	0.300	0.307	0.313		
E	0.310	0.317	0.283	0.304		
F	0.288	0.321	0.291	0.287		
G	0.297	0.312	0.302	0.296		

INSPECTION RESULT		
VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
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 The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

Pressure Test-The Above Item was Pressure Tested to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 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	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3630 lux						

PERSON DETAILS					
INSPECTOR NAME:	M.Shafiqad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT CP	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

Original - Client Files Copy - Area Office QC/FN/P/077 Rev.00 DATED 07.NOV.2021

