

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

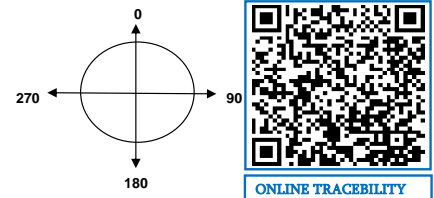
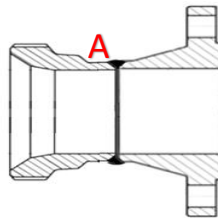


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

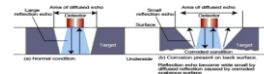
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-25-02-TSS-NDT-092
LOCATION:	TSS YARD	STANDARD:	ASTM E709 & ASTM E797 ,& API 6A
WORK ORDER	***		
DATE OF INSPECTION :	Wednesday, February 12, 2025	NEXT INSPECTION DATE:	Monday, August 11, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	ELECTRICAL TRANSFER PUMP WITH EX CONTROL PANEL	SAP NO:	19092024
DESCRIPTION:	IN LET FLANGE: 4" 150 CLASS X 4" 206 THREAD	SERIAL NO:	1912

INSPECTION DETAILS



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



ANGLE	THICKNESS POINT	MINIMUM THICKNESS
	A	IN MM
0°	8.07	5mm
90°	8.19	5mm
180°	7.94	5mm
270°	8.12	5mm

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

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	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	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	11-Apr-25	Black Magnetic Ink 7HF	MANUFAC TURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	12-Apr-25		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	11-Apr-25	Fluorescent Magnetic Ink 14HF	MANUFAC TURE	BATCH NO	EXPIRE DATE
DC COIL:	22650	CAL DUE DATE	12-Apr-25		Magnaflux	230503	MAY,2026
UV BLACK LIGHT:	1898977	CAL DUE DATE	11-Apr-25	Concentration of 14HF:		0.1 to 0.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3620 lux	UV BLACK LIGHT INTENSITY:	3160 µw/cm ²	Concentration of 7HF:		1.2 to2.4 ml/100 ml	

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

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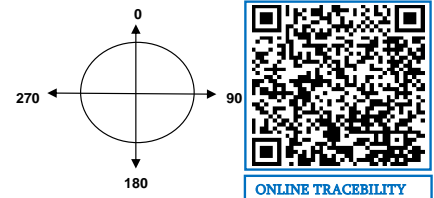
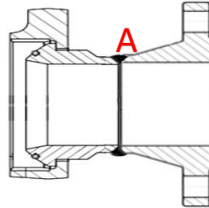
hany.akafi@qualitycontrol-iraq.com

CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

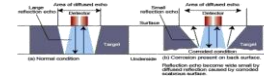
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CLIENT:	HALLIBURTON	REPORT No.:	QC-25-02-TSS-NDT-093
LOCATION:	TSS YARD	STANDARD:	ASTM E709 & ASTM E797 ,& API 6A
WORK ORDER	***		
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DESCRIPTION:	ELECTRICAL TRANSFER PUMP WITH EX CONTROL PANEL	SAP NO:	19092024
DESCRIPTION:	OUT LET FLANGE: 4" 150 CLASS X 4" 206 WING	SERIAL NO:	1911

INSPECTION DETAILS



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



ANGLE	THICKNESS AT POSITION		MINIMUM THICKNESS
	A		IN MM
0°	7.96		5mm
90°	8.13		5mm
180°	7.89		5mm
270°	7.92		5mm

INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709
UT	Accepted	According to ASTM E 797)

Inspection Evaluation

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PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	M SHAFZAD AHMED	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	UT,VT,MPI	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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



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