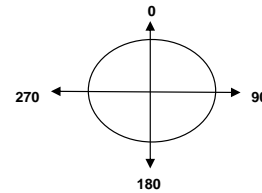
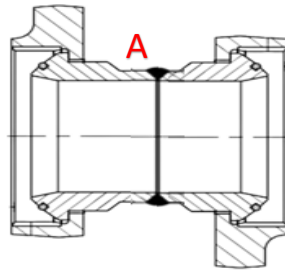


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

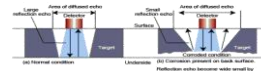
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-04-TSS-NDT-062
LOCATION:	TSS YARD	JOB NO.:	16042025
WORK ORDER #	*****	STANDARD:	ASTM E709 -21 & ASTM E797-21
DATE OF INSPECTION:	Wednesday, April 16, 2025	NEXT INSPECTION DATE:	Wednesday, October 15, 2025
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	X-OVER: 4" 206 WING X 4" 206 WING	SERIAL NO.:	TSS-008



ONLINE TRACEABILITY

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



ANGLE	WALL THICKNESS RESULT		MINIMUM THICKNESS IN INCHES
	A		
0°	0.324		0.218 INCH
90°	0.336		
180°	0.319		
270°	0.328		

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21

Inspection Evaluation

MPI -The Above Item Has No Significant Discontinuities At The Time Of Inspection And Found Acceptable According to ASTM E709-21
Note:MPI Wet Fluorescent inspection Thread With UltraViolet Light
Magnetic Particle Inspection With A/C Hand Yoke Welds & Critical Areas

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS

TECHNICAL DETAILS

INSPECTION EQUIPMENT DETAILS	TECHNICAL DETAILS
AC YOKE S.N: 201504048 CAL DUE DATE: 7-Oct-25	White Contrast WCP-2 MANUFACTURE: Magnaflux BATCH NO: 230408 EXPIRE DATE: APRIL,2026
Digital Lux Meter WHITE LIGHT: 2722003 CAL DUE DATE: 9-Oct-25	
UT THICKNESS GAUGE: 5500391 CAL DUE DATE: 7-Oct-25	Black Magnetic Ink 7HF MANUFACTURE: Magnaflux BATCH NO: 230604 EXPIRE DATE: JUNE, 2026
UT TEST BLOCK: NoBo5087 CAL DUE DATE: 8-Oct-25	
ASTM Test Block: 1657 CAL DUE DATE: 7-Oct-25	Fluorescent Magnetic Ink 14HF MANUFACTURE: Magnaflux BATCH NO: 230503 EXPIRE DATE: MAY.2026
DC COIL: 22650 CAL DUE DATE: 8-Oct-25	
UV BLACK LIGHT: 87521 CAL DUE DATE: 9-Oct-25	Concentration of 14HF: 0.1 to 0.4 ml/100 ml
WHITE LIGHT INTENSITY: 3580 lux	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: NDT Level 3	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

