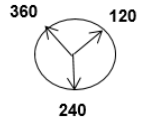
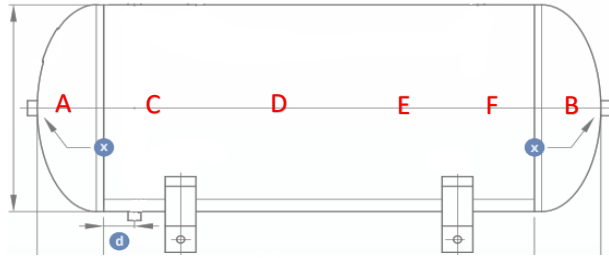


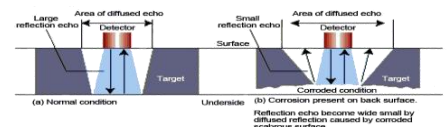
**CERTIFICATE OF QUALIFICATION VISUAL & MAGNETIC PARTICLE INSPECTION ULTRASONIC WALL THICKNESS MEASUREMENT**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT NO :	HALL.25-MAY-NDT-HPS-001
LOCATION:	HPS (Burjesia Halliburton Camp)	SPECIFICATION:	ASTM E709 -21 & ASTM E797-21
INSPECTION DATE:	Sunday, May 4, 2025	INSPECTION DUE DATE:	<b>Monday, November 3, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		
DESCRIPTION:	LUBRICATOR TANK	SERIAL NO:	14035152
UNIT NAME:	COIL TUBING UNIT CTU-7	UNIT SAP NO:	12196232



**\*\* ALL READINGS IN INCHES  
\*\*MINIMUM THICKNESS PROVIDED BY CUSTMER**



THICKNESS POINTS AREA	WALL THICKNESS RESULT			MINIMUM THICKNESS	REMARKS
	120°	240°	360°		
( LEFT SIDE HEAD A )	0.137	0.124	0.134	0.095 INCH	ACCEPTED
( RIGHT SIDE HEAD B )	0.126	0.131	0.124		
(BODY C )	0.159	0.155	0.147		
(BODY D )	0.153	0.159	0.156		
(BODY E )	0.161	0.151	0.158		
(BODY F )	0.149	0.162	0.153		

**INSPECTION RESULT**

**MPI** -The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According to ASTM E709-21

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

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3620 lux						

PERSON DETAILS		REVIEW BY			
INSPECTOR NAME:	M.Shahzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	AI, T, E, P, S, L	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	





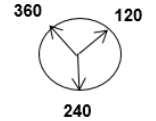
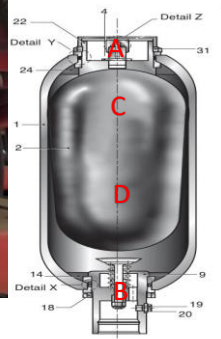




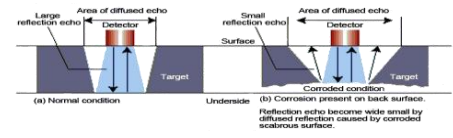
**CERTIFICATE OF QUALIFICATION VISUAL INSPECTION & ULTRASONIC WALL THICKNESS MEASUREMENT**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT NO :	HALL.25-MAY-NDT-HPS-005
LOCATION:	HPS (Burjesia Halliburton Camp)	SPECIFICATION:	ASTM E797-21
INSPECTION DATE:	Sunday, May 4, 2025	INSPECTION DUE DATE:	<b>Monday, November 3, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION &amp; ULTRASONIC WALL THICKNESS MEASUREMENT</b>		
DESCRIPTION:	ACCUMULATOR BOTTLES	SERIAL NO:	ACC-5
UNIT NAME:	POWER PACK CT	UNIT NO:	10548827



**\*\* ALL READINGS IN INCHES**  
**\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER**



THICKNESS POINTS AREA	WALL THICKNESS RESULT			MINIMUM THICKNESS	REMARKS
	120°	240°	360°		
(TOP HEAD A)	0.659	0.666	0.657	0.500 INCH	ACCEPTED
( BOTTOM HEAD B )	0.666	0.658	0.651		
(BODY C )	0.539	0.544	0.535	0.300 INCH	
(BODY D )	0.527	0.534	0.538		

**INSPECTION RESULT**

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

**INSPECTION EQUIPMENT DETAILS**

UT THICKNESS GAUGE:	5500391	CAL DUE DATE	7-Oct-25	WHITE LIGHT INTENSITY:  3620 lux
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	8-Oct-25	
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	9-Oct-25	

**PERSON DETAILS**

**REVIEW BY**

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



# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

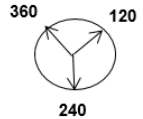
Basra, North Rumaila, Quality Control Yard - Iraq



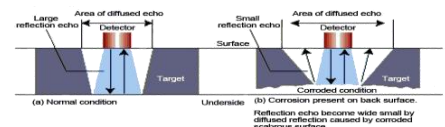
## CERTIFICATE OF QUALIFICATION VISUAL & MAGNETIC PARTICLE INSPECTION ULTRASONIC WALL THICKNESS MEASUREMENT

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT NO :	HALL.25-MAY-NDT-HPS-007
LOCATION:	HPS (Burjesia Halliburton Camp)	SPECIFICATION:	ASTM E709 -21 & ASTM E797-21
INSPECTION DATE:	Sunday, May 4, 2025	INSPECTION DUE DATE:	<b>Monday, November 3, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		
DESCRIPTION:	AIR TANK	SERIAL NO:	244011
UNIT NAME:	POWER PACK CT	UNIT NO:	10548827



\*\* ALL READINGS IN INCHES  
\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER



THICKNESS POINTS AREA	WALL THICKNESS RESULT			MINIMUM THICKNESS	REMARKS
	120°	240°	360°		
( LEFT SIDE HEAD A )	0.123	0.130	0.121	0.095 INCH	ACCEPTED
( RIGHT SIDE HEAD B )	0.130	0.126	0.119		
(BODY C )	0.119	0.121	0.110		
(BODY D )	0.107	0.117	0.113		
(BODY E )	0.114	0.110	0.108		

### INSPECTION RESULT

MPI -The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According to ASTM E709-21

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

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3620 lux						

### PERSON DETAILS

### REVIEW BY

INSPECTOR NAME:	M. Shahad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	AI TAKAMUL COMPANY	INSPECTION SUPERVISOR:	HANI ALI	HB&SGN	
SIGNATURE & STAMP:				DATE:	



# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

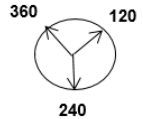
Basra, North Rumaila, Quality Control Yard - Iraq



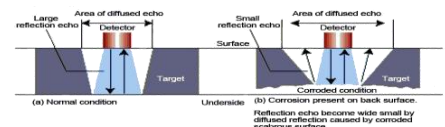
## CERTIFICATE OF QUALIFICATION VISUAL & MAGNETIC PARTICLE INSPECTION ULTRASONIC WALL THICKNESS MEASUREMENT

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT NO :	HALL.25-MAY-NDT-HPS-008
LOCATION:	HPS (Burjesia Halliburton Camp)	SPECIFICATION:	ASTM E709 -21 & ASTM E797-21
INSPECTION DATE:	Sunday, May 4, 2025	INSPECTION DUE DATE:	<b>Monday, November 3, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		
DESCRIPTION:	AIR TANK	SERIAL NO:	244012
UNIT NAME:	POWER PACK CT	UNIT NO:	10548827



**\*\* ALL READINGS IN INCHES**  
**\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER**



THICKNESS POINTS AREA	WALL THICKNESS RESULT			MINIMUM THICKNESS	REMARKS
	120°	240°	360°		
( LEFT SIDE HEAD A )	0.126	0.117	0.120	0.095 INCH	ACCEPTED
( RIGHT SIDE HEAD B )	0.129	0.122	0.131		
(BODY C )	0.118	0.126	0.124		
(BODY D )	0.123	0.119	0.129		
(BODY E )	0.132	0.127	0.116		

### INSPECTION RESULT

**MPI** -The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According to ASTM E709-21

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

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3620 lux						

### PERSON DETAILS

### REVIEW BY

INSPECTOR NAME:	M. Shahad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	AI TAKAMUL COMPANY	INSPECTION SUPERVISOR:	HANI ALI	HB&SGN	
SIGNATURE & STAMP:				DATE:	



# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

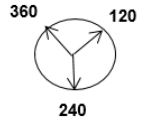
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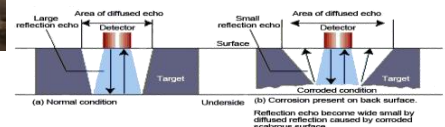
## CERTIFICATE OF QUALIFICATION VISUAL & MAGNETIC PARTICLE INSPECTION ULTRASONIC WALL THICKNESS MEASUREMENT

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT NO :	HALL.25-MAY-NDT-HPS-009
LOCATION:	HPS (Burjesia Halliburton Camp)	SPECIFICATION:	ASTM E709 -21 & ASTM E797-21
INSPECTION DATE:	Sunday, May 4, 2025	INSPECTION DUE DATE:	<b>Monday, November 3, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		
DESCRIPTION:	AIR TANK	SERIAL NO:	244013
UNIT NAME:	POWER PACK CT	UNIT NO:	10548827



**\*\* ALL READINGS IN INCHES**  
**\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER**



THICKNESS POINTS AREA	WALL THICKNESS RESULT			MINIMUM THICKNESS	REMARKS
	120°	240°	360°		
( LEFT SIDE HEAD A )	0.121	0.129	0.117	0.095 INCH	ACCEPTED
( RIGHT SIDE HEAD B )	0.125	0.118	0.122		
(BODY C )	0.132	0.121	0.129		
(BODY D )	0.119	0.124	0.123		
(BODY E )	0.126	0.129	0.121		

### INSPECTION RESULT

**MPI** -The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According to ASTM E709-21

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

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3620 lux						

### PERSON DETAILS

### REVIEW BY

INSPECTOR NAME:	M. Shahad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	AI TAKAMUL COMPANY	INSPECTION SUPERVISOR:	HANI ALI	HB&SGN	
SIGNATURE & STAMP:				DATE:	

