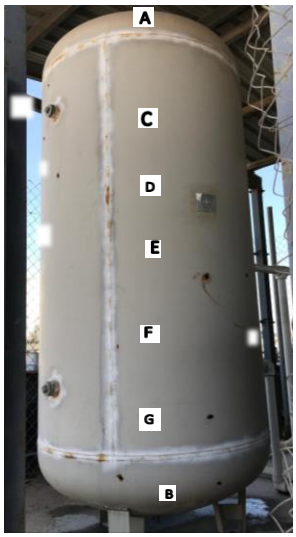
Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED
Basra, North Rumaila, Quality Control Yard - Iraq

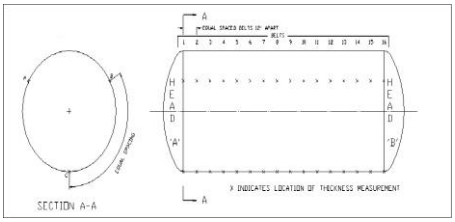
CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION & ULTRASONIC WALL THICKNESS MEASUREMENT

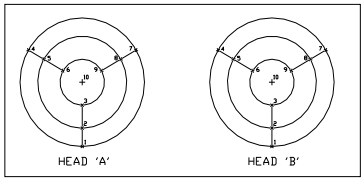
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

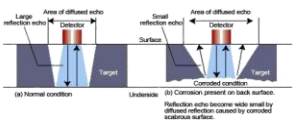
CLIENT:	HALLIBURTON	**REPORT #:**	HALL.23-DEC-NDT-RES-002
LOCATION:	RES (Burjesia Halliburton Camp)	**STANDARD:**	ASTM E797 & ASTM E709
HALL WO #	325509630	**SPECIFICATION:**	Halliburton Acceptance Criteria ST-GL-HAL-HSE-0422
INSPECTION DATE:	Tuesday, December 26, 2023	**INSPECTION DUE DATE:**	**Wednesday, December 25, 2024**
TYPE OF INSPECTION:	**VISUAL AND MAGNETIC PARTICLE INSPECTION & ULTRASONIC WALL THICKNESS MEASUREMENT**		

DESCRIPTION:	**AIR COMPRESSOR TANK**	**UNIT SAP NO:**	**14059097**
MANUFACTURER:	**SPECIALIST SERVICES**	**MFG SERIAL NO:**	**B20709**









A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C :6'O CLOCK / AFT

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

ANGLE	THICKNESS AT POSITION			MIN. THICKNESS	REMARKS
	120°	240°	360°		
(TOP HEAD A1)	0.248	0.250	0.251	0.208 INCH •5.3 MM	ACCEPTED
(TOP HEAD A2)	0.252	0.253	0.250	0.208 INCH •5.3 MM	ACCEPTED
(BOTTOM HEAD B1)	0.258	0.256	0.257	0.208 INCH •5.3 MM	ACCEPTED
(BOTTOM HEAD B2)	0.257	0.252	0.255	0.208 INCH •5.3 MM	ACCEPTED
(BODY C)	0.240	0.253	0.266	0.220 INCH •5.6 MM	ACCEPTED
(BODY D)	0.244	0.243	0.271	0.220 INCH •5.6 MM	ACCEPTED
(BODY E)	0.245	0.241	0.255	0.220 INCH •5.6 MM	ACCEPTED
(BODY F)	0.248	0.244	0.249	0.220 INCH •5.6 MM	ACCEPTED
(BODY G)	0.2251	0.246	0.258	0.220 INCH •5.6 MM	ACCEPTED

INSPECTION RESULT		
VT & MPI	Accepted	* According to E709 (70.94158)
UT	Accepted	** According to OEM DOC: CSC-2015-PED-B18284-B18289-3000-12
Body	Accepted	*** These Are The Actual Readings Need To Follow The Manufacturer's Operating Instructions.

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Acceptance Criteria OEM DOC: CSC-2015-PED-B18284-B18289-3000-12

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:	3580 lux						

PERSON DETAILS				REVIEW BY	
INSPECTOR NAME:	M.Shahzad Ali	**SENIOR INSPECTOR:**	**M. NAQASH**	**CLIENT:**	
QUALIFICATION:	[illegible]	**INSPECTION SUPERVISOR:**	**HANI ALI**	**HB&SIGN**	
SIGNATURE & STAMP:				**DATE:**	