

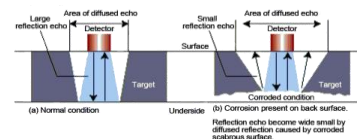
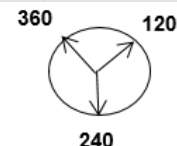
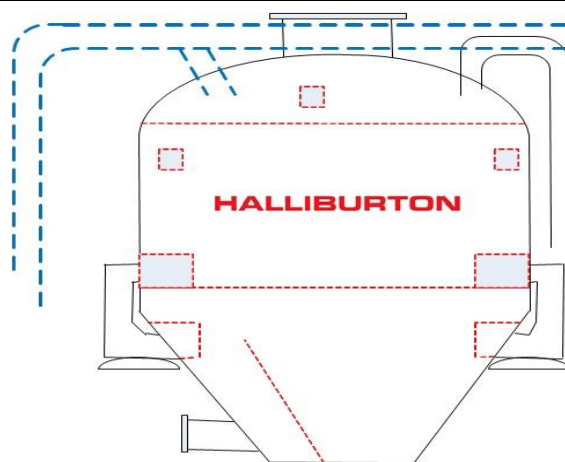
CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND ULTRASONIC WALL THICKNESS MEASUREMENT

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON CEMENTING	REPORT No.:	QC-23-HH-0777-03/01
LOCATION:	MAJNOON OIL FIELD(RIG HH-008)	specification	ST-GL-HAL-PSL-900 REV A & ST-GL-HAL-PSL-900 REV A
WORK ORDER	****	EQUIPMENT TYPE	1050 CU. FT.
INSPECTION DATE:	02,JULY,2023	Inspection Due Date	01,JULY,2028
TYPE OF INSPECTION:	VISUAL INSPECTION AND ULTRASONIC WALL THICKNESS MEASUREMENT		
DESCRIPTION:	CEMENTING SILO	UNIT SAP NO:	10954527
MANUFACTURE	AL SHIRA WI EQ.CO	MANUFACTURE SERIAL NO:	US 45
ULTRASONIC THICKNESS GAUGE S.NO:	5202746	CALIBRATION DUE DATE:	18-Aug-2023

INSPECTION DETAILS

TOP WALL THICKNESS	BODY WALL THICKNESS	BOTTOM WALL THICKNESS
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THICKNESS POINTS AREA	WALL THICKNESS RESULT			MINIMUM THICKNESS	REMARKS
	120°	240°	360°		
TOP	0.332	0.324	0.341	0.168 INCH	ACCEPTED
TOP	0.337	0.362	0.372	0.168 INCH	ACCEPTED
TOP	0.344	0.380	0.352	0.168 INCH	ACCEPTED
BOTTOM	0.353	0.334	0.396	0.225 INCH	ACCEPTED
BOTTOM	0.367	0.371	0.389	0.225 INCH	ACCEPTED
BOTTOM	0.347	0.366	0.375	0.225 INCH	ACCEPTED
THICKNESS POINTS AREA	WALL THICKNESS RESULT			NOMINAL THICKNESS	REMARKS
	120°	240°	360°		
SHELL	0.445	0.437	0.458	0.344 INCH	ACCEPTED
SHELL	0.426	0.478	0.489	0.344 INCH	ACCEPTED
SHELL	0.438	0.435	0.434	0.344 INCH	ACCEPTED
SHELL	0.487	0.496	0.455	0.344 INCH	ACCEPTED
VENT	0.337	0.331	0.336	0.311 INCH	ACCEPTED
DISCHARGE	0.329	0.322	0.331	0.289 INCH	ACCEPTED

INSPECTION RESULT

CEMENTING BULK TANK WAS FOUND ACCEPTIBLE WALL THICKNESS AS PER MANUFACTURE ACCEPTANCE CRITERIA.

PERSON DETAILS		REVIEW BY			
INSPECTOR NAME:	M. Shabbir Ahmed	SENIOR INSPECTOR:	M.NAQQASH	CLIENT:	
QUALIFICATION:	AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

