

Title	Maintenance – Coiled Tubing Equipment					
Target Population	Field Engineers, Field Specialists & Equipment Operators					
This requirement is applicable to:	✓	JFE	✓	FST	✓	EOT
	✓	FE1	✓	FS1	✓	EO1
		FE2		FS2	✓	EO2
				FS3	✓	EO3
					✓	GEO

Objective:

The objective of this task is to evaluate and verify the employee's competency in performing basic maintenance on Coil Tubing Unit under supervision including:

Description		JFE	FE1	FST	FS1	EOT	EO1	EO2	EO3	GEO
1	Batch Mixer	✓		✓		✓	✓			✓
2	Fluid Pumping Unit	✓		✓			✓	✓		✓
3	Nitrogen Converter	✓	✓		✓			✓	✓	✓
4	Coiled Tubing Unit including:	✓	✓		✓				✓	✓
	<i>Power Pack</i>									
	<i>Control Cabin</i>									
	<i>CT Reel</i>									
	<i>Injector Head</i>									
	<i>Pressure Control Equipment</i>			✓						
5	Basic BHA Components	✓	✓	✓				✓	✓	✓

The employee should be able to identify the components of CT equipment including those found in hydraulic circuits, explain their functions, ratings and maintenance procedures. This include filling out the EMC 1 form.

He should have basic knowledge of hydraulics including the various components and principles of operations.

Tasks:

The employee will be assigned under an experienced mechanic / electrician or a mentor in the base to guide him in performing the maintenance tasks. This include tracing of the hydraulic lines by referring to Operation and Maintenance Manual.

1. Identify the main components and functions of CTU (i.e. injector head, CT reel, stripper, BOP etc.)
2. Identify main components and functions of basic BHA
3. Physically check the CTU components and fill out the EMC 1 form.
4. Assist in assembly and disassembly of the following components (whenever possible):
 - Injector head conversion. Identify each parts.

- Reel swivel maintenance. Identify each parts.
 - Stripper (replace inserts/brass bushing). Identify each parts.
 - BOP conversion/replacing inserts including function and pressure testing. Identify each parts.
 - Downhole tools (connectors, check valves, nozzles)
5. Show and explain the hydraulics system of the CT unit.
 6. Prepare a report for the activities and explain it to the assigned mentor

IMPORTANT NOTE: The assigned Assessor must conduct the required evaluation to evaluate employee's competency and provide feedback through the respective Task Evaluation Forms PRIOR TO completing this Task Sheet.

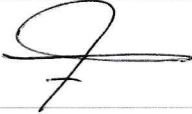
This task is deemed INCOMPLETE without the Task Evaluation Forms

Brief summary of employee's learning outcome (to be completed by Assessor):

After review all the document input, I have brief all the task that related to EHC II is good.


Assessor's Comments & Recommendation:

Good performer

Signature		Assessment Date	28/7/2024
Name	Ahmad Abd Razak	Position	C/Mechanic

FSM / OM Comments & Recommendation:

Good leadership during handling maintenance

Signature		Assessment Date	28/7/24
Name	Ridwan Azan	Position	FSM

[illegible]

DIMENSION BID

CTS/SPINCAT 2.125/01

Equipment Maintenance Checklist 1

PRE JOB	LOCATION

ON JOB	LOCATION

POST JOB	LOCATION
✓	Dulany C

Equipment type: Downhole tools
Equipment number:

Y	N	Checklist
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- Tasks
- ☒ Clean and disassemble entire tool
 - ☒ Visually inspect all seal for scratches
 - ☒ Visually inspect threads for damage
 - ☒ Visually inspect all components for cracks and pitting
 - ☒ Replace all elastomers (oring, seal rings, elements)
 - ☒ Replace all shear screws
 - ☒ Visually inspect all set screws
 - ☒ Replace check valve springs and pins
 - ☒ Ball seat condition
 - ☒ Lubricate all threads
 - ☒ Tool dressed as per Tech Unit (with Lubricant)
 - ☒ Pressure test 5000K psi
 - ☒ Drift Ball OD:
 - ☒ Drift Tool OD
 - ☒ Make sure all shear and set screws are tapped
 - ☒ Replace all set screws
 - ☒ Dimensional Inspection Points as per Tech Unit
 - ☒ Perform MPI Testing

Location/Mob/Demob:
Date:

Y	N	Checklist
---	---	-----------

- Certifications:
- ☒ The Wall Thickness Measurement need to be documented
 - ☒ Third Party Documentation needs to be attached

Please state the equipment readiness

Ready

Not Ready

- Bearing not smooth
- Glent nut lose thread. cannot use
- Spincal cannot spin
- Shell burn inside spincal.
- Body head shaft damage on face seal area
- Need to change.

Maintenance type done. (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY

Jelani Ibrahim.

G.E.O

[Signature]

JAKARIZ HASPI

TOOLMAN DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type: Batch Mixer Tank		/	O. yard				
Equipment number: CTU/BM/02							
Location Mob/Damoh: Open y.d. Date: 22/9/2024							
Y	N	Checklist					
Appearance & Safety Equipment:							
<input checked="" type="checkbox"/>		Ensure unit is clean					
<input checked="" type="checkbox"/>		Skid condition - visually check for any damage					
<input checked="" type="checkbox"/>		Walkway/Ladders - check for any damage					
<input checked="" type="checkbox"/>		Ensure anti slip installed at walkway/ladder					
Labelling							
<input checked="" type="checkbox"/>		MGW and SWL in place					
<input checked="" type="checkbox"/>		Last annual inspection					
Lifting Devices							
<input checked="" type="checkbox"/>		Inspection on shackles and pins/slugs and lugs					
<input checked="" type="checkbox"/>		MPI on pad eye if necessary					
<input checked="" type="checkbox"/>		Mark the inspection date and due date					
<input checked="" type="checkbox"/>		Load test is current					
<input checked="" type="checkbox"/>		All protection caps and ID tags in place.					
Corrosion,Dent,Defects in Weld							
<input checked="" type="checkbox"/>		Check for rust in weld,no leaks					
<input checked="" type="checkbox"/>		Check for leakages or any damage at tank					
<input checked="" type="checkbox"/>		Check all piping,manhole covers,valves					
Safety Equipment and Certification							
<input checked="" type="checkbox"/>		Visual inspection of all pad eyes and lifting gear					
<input checked="" type="checkbox"/>		Safety guards and rail in working condition					
Please state the equipment readiness							
Ready				Not Ready			
Unit ready for next job							
Maintenance type done.(Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Zalun		G.E.O		[Signature]		[Signature] SFO Azim	

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
<input checked="" type="checkbox"/>	4200 Jfd	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

Equipment type : Single Pump Unit	
Location Mob/Demob :	
Equipment number : CTU/SP/02	
Y	N
Checklist	
Appearance & Safety Equipment:	
<input checked="" type="checkbox"/>	Ensure unit appearance good and clean
<input checked="" type="checkbox"/>	Verify that all earth/ground cables are in place, well connected
<input checked="" type="checkbox"/>	Skid condition - visually check for any damage
<input checked="" type="checkbox"/>	Fire extinguisher is present and certified
Cooling System:	
<input checked="" type="checkbox"/>	Coolant level & condition
<input checked="" type="checkbox"/>	Check visible leaks
<input checked="" type="checkbox"/>	Radiator hose & clamp condition
<input checked="" type="checkbox"/>	Perform visual and physical check on radiator fin
Engine:	
<input checked="" type="checkbox"/>	Check engine oil level (SAE 15W-40) not be milty or too dark
<input checked="" type="checkbox"/>	Check any general leaks on all filter, hoses, and connectors.
<input checked="" type="checkbox"/>	Check fan, hub, fanbelt condition/tension
<input checked="" type="checkbox"/>	Check condition of engine hoses
<input checked="" type="checkbox"/>	Check for rusted part- repair/repaint if required
<input checked="" type="checkbox"/>	Check the crankcase vent system for excessive blow by
<input checked="" type="checkbox"/>	Check engine mounting condition - tight any loose bolt
Controls / Instrumentation:	
<input checked="" type="checkbox"/>	Normal kill and emergency kill tested
<input checked="" type="checkbox"/>	Check converter lock-up (if applicable)
<input checked="" type="checkbox"/>	Check all gauges are in good condition and working
<input checked="" type="checkbox"/>	Check (Rate+RPM) and (Pressure+OPS) condition
<input checked="" type="checkbox"/>	Throttle control in good condition
<input checked="" type="checkbox"/>	OPSD tested
Exhaust System:	
<input checked="" type="checkbox"/>	Pipework - check for any leak or damage
<input checked="" type="checkbox"/>	Condition/Operation of exhaust flapper
<input checked="" type="checkbox"/>	Condition of exhaust wrap are in place and in good condition
Transmission, PTO & Drivelines:	
<input checked="" type="checkbox"/>	Sight glass/dipstick shows in full (SAE 90)
<input checked="" type="checkbox"/>	Start & idle engine (5- Min) recheck oil level
<input checked="" type="checkbox"/>	Listen for excessive noise at PTO
<input checked="" type="checkbox"/>	Condition of transmission hoses & fittings
<input checked="" type="checkbox"/>	Grease U-joint & propeller shaft
Hydraulic System:	
<input checked="" type="checkbox"/>	Check Hyd. Hoses/valve/connections undamage and clean
<input checked="" type="checkbox"/>	Hyd. tank - drain any water
<input checked="" type="checkbox"/>	Check hydraulic oil level (2" from top) (Tellus 46)
<input checked="" type="checkbox"/>	Check hydraulic gauges
<input checked="" type="checkbox"/>	Check condition of fittings & couplings
Fuel System:	
<input checked="" type="checkbox"/>	Check for any water contamination in the fuel filter sight bowl
<input checked="" type="checkbox"/>	Check fuel tank breather cap condition
<input checked="" type="checkbox"/>	Check for leaks on fuel lines, connections, and hoses
<input checked="" type="checkbox"/>	Fuel filter - check condition
<input checked="" type="checkbox"/>	Fill up the diesel tank to 90%
<input checked="" type="checkbox"/>	Drain 1 litre fuel from drain valve

Running Hours : 1450	
Date : 23/2/2024	
Y	N
Checklist	
Air System:	
<input checked="" type="checkbox"/>	Check visible leaks
<input checked="" type="checkbox"/>	Gauges in good condition
<input checked="" type="checkbox"/>	Air reservoir /tanks - drain any water until that are clean
<input checked="" type="checkbox"/>	Air hose, connections, piping, valves and actuators condition
<input checked="" type="checkbox"/>	All pneumatic control valve working properly
Air Cleaner:	
<input checked="" type="checkbox"/>	Check the element for water or soot and clean as required
Electronic Recording & Monitoring Devices:	
<input checked="" type="checkbox"/>	Check all sensors condition
<input checked="" type="checkbox"/>	Check pump controls, rate and pressure devices.
<input checked="" type="checkbox"/>	Cables/connectors condition
<input checked="" type="checkbox"/>	Acquisition - check communication with software/hardware (if applicable)
Zone II System:	
<input checked="" type="checkbox"/>	Flame traps - check cleanliness
<input checked="" type="checkbox"/>	Air intake valve (flapper) - check condition
<input checked="" type="checkbox"/>	Spark arrestor - check condition
Power End & Chain Case:	
<input checked="" type="checkbox"/>	Check power end oil level & condition (SAE90)
<input checked="" type="checkbox"/>	Check chaincase oil level / Leaks (SAE40)
<input checked="" type="checkbox"/>	Grease chaincase bearing
<input checked="" type="checkbox"/>	Check hoses conditions for any leak
<input checked="" type="checkbox"/>	Check condition of breather
Fluid End:	
<input checked="" type="checkbox"/>	Check plungers condition. Plungers tight to pony rod.
<input checked="" type="checkbox"/>	Pressure sensor in place
<input checked="" type="checkbox"/>	Check plungers lubrication
<input checked="" type="checkbox"/>	Check lubrication (packing tank oil level)
C-Pump & Piping:	
<input checked="" type="checkbox"/>	Check C-Pump operation and record shut in pressure (>25 psi)
<input checked="" type="checkbox"/>	Grease butterfly valve
<input checked="" type="checkbox"/>	Check piping conditions and remove any dirt
System Pressure:	
<input checked="" type="checkbox"/>	Fuel pressure@idle speed _____ psi
<input checked="" type="checkbox"/>	Fuel pressure@1800 RPM _____ psi
<input checked="" type="checkbox"/>	Oil pressure @ cold start _____ psi
<input checked="" type="checkbox"/>	Oil pressure @ 180deg.F _____ psi
Certifications:	
<input checked="" type="checkbox"/>	Sling condition/ Due on _____
<input checked="" type="checkbox"/>	MPI due _____
<input checked="" type="checkbox"/>	Visual Test due _____

Please state the equipment readiness

Ready

-unit ready for the job.

Maintenance type done. (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY



Zelani

G.E.O

[Signature]

Azim

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION																																																																																				
Equipment type : DSQ4 Side Door Stripper		D.O.																																																																																									
Equipment number :		Location Mob/Demob : Durham																																																																																									
		Date : 15/7/2024																																																																																									
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Preventive Maintenance				Corrective Maintenance																																																																																							
NAME Zalawi		POSITION H-E.O		EXAMINER SIGNATURE 		VERIFIED BY 																																																																																					

Doc.Ref.No.: CTS-FORM-21

Rev. No.: 01

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Effective Date: 01/02/2022

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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION
—	Dwight

ON JOB	LOCATION

POST JOB	LOCATION

Equipment type : Dual Combi BOP		
Equipment number : 024/9809 102		
Y	N	Checklist
Appearance & Safety Equipment:		
<input checked="" type="checkbox"/>		Ensure unit is clean
<input checked="" type="checkbox"/>		Visually check for any damage
<input checked="" type="checkbox"/>		Guard and shield in place
Rams & Body:		
<input checked="" type="checkbox"/>		Check for any damage. Thoroughly clean the unit.
<input checked="" type="checkbox"/>		Inspect all blades condition
<input checked="" type="checkbox"/>		Equalizing valve - inspect and clean
<input checked="" type="checkbox"/>		Check all seals condition
<input checked="" type="checkbox"/>		Visual check of bottom O-ring / back-up
<input checked="" type="checkbox"/>		Visual check of bottom ring gasket BX155
Hydraulics & BOP Functions:		
<input checked="" type="checkbox"/>		Check hydraulic hoses and connectors condition
<input checked="" type="checkbox"/>		Check condition of hose canvas
<input checked="" type="checkbox"/>		Manual lock - grease and function test
<input checked="" type="checkbox"/>		Ram functions - cycle all rams (open & close)
<input checked="" type="checkbox"/>		Indicators/ pins - ensure full movement
<input checked="" type="checkbox"/>		Ram equalizing valve - function test
Pressure Test:		
<input checked="" type="checkbox"/>		Pipe/Slip to 5000psi for 10 min
<input checked="" type="checkbox"/>		Blind/Shear ram to 5000 psi for 10 min
<input checked="" type="checkbox"/>		Body to 5000 psi for 10 min
X-Overs:		
<input checked="" type="checkbox"/>		BX155 Flange x CB44 Pin - Valid on certification
<input checked="" type="checkbox"/>		BX155 Flange x CB44 Box - Valid on certification
Connections:		
<input checked="" type="checkbox"/>		Studs, bolts and nuts for flanges - clean and check condition
<input checked="" type="checkbox"/>		2 1/16" to Fig1502 thread installed and pressure tested
<input checked="" type="checkbox"/>		Lifting cap installed - Clean and grease
<input checked="" type="checkbox"/>		Grease CB44 Pin & box connection
<input checked="" type="checkbox"/>		Thread / Flanges protectors - installed

Location Mob/Demo: Dwight - D		
Date: 10/7/2024		
Y	N	Checklist
Certifications:		
		Sling condition/ Due on 3/25
		MPI due 3/25
		Visual Test due 3/25

Please state the equipment readiness

Ready	Not Ready
- Unit ready for Next Job	

Maintenance type done (Please state if any spare used)

Preventive Maintenance	Corrective Maintenance

NAME	POSITION	EXAMINER SIGNATURE	VERIFIED BY
Jalani	G.E.O		

Doc.Ref.No.: CTS-FORM-20

Rev. No.: 01

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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION
<input checked="" type="checkbox"/>	DLD

ON JOB	LOCATION

POST JOB	LOCATION

Equipment type : CTU Injector Head H8680		
Location Mob/Demob : DLD		
Equipment number : CTU/H8680		
Y	N	Checklist
Appearance & Safety Equipment:		
<input checked="" type="checkbox"/>		Ensure unit is clean
<input checked="" type="checkbox"/>		Skid condition - visually check for any damage
<input checked="" type="checkbox"/>		Walkway/Ladders - check for any damage
Lubrication:		
<input checked="" type="checkbox"/>		Chain lube oil tank level
<input checked="" type="checkbox"/>		Grease at all grease point
Hydraulic System:		
<input checked="" type="checkbox"/>		Check all hydraulic Hoses for damage, leaks or wear
<input checked="" type="checkbox"/>		Fitting & coupling condition
<input checked="" type="checkbox"/>		Check accumulators for correct precharge:
		Upper Traction 500 psi
		Middle Traction 500 psi
		Lower Traction 500 psi
		Outside Tension 650 psi
Chains:		
<input checked="" type="checkbox"/>		Chains in clean condition
<input checked="" type="checkbox"/>		Check chain, rollers, bearings, pins & gripper blocks condition
<input checked="" type="checkbox"/>		Check chain alignment
<input checked="" type="checkbox"/>		Check for unusual noise when running
Chain Tensioner System:		
<input checked="" type="checkbox"/>		Check all sprockets for wear and damage
<input checked="" type="checkbox"/>		Grease all bearings - drive and idler sprocket
<input checked="" type="checkbox"/>		Check cylinders for wear and damage
Drive Motor & Gear Box:		
<input checked="" type="checkbox"/>		Check gearbox lubricant level
<input checked="" type="checkbox"/>		Function test drive and brake system
<input checked="" type="checkbox"/>		Check for any leak or damage
Gooseneck:		
<input checked="" type="checkbox"/>		Check gooseneck alignment (prior to stab in)
<input checked="" type="checkbox"/>		Check gooseneck rollers for damages
<input checked="" type="checkbox"/>		Check linkages, pins, locking, covers and supports condition

Running Feet : 308 (100 + 808)		
Date : 10/7/2024		
Y	N	Checklist
Recording & Monitoring Devices:		
<input checked="" type="checkbox"/>		Check operation & condition of friction wheel
<input checked="" type="checkbox"/>		Electronics - check cables/connectors condition
<input checked="" type="checkbox"/>		Depth counter - check alignment and condition
<input checked="" type="checkbox"/>		Depth encoder - check condition and function test
<input checked="" type="checkbox"/>		Wellhead pressure transducer - check condition
<input checked="" type="checkbox"/>		Secure Load Cell - weight off load cell
Certifications:		
		Sling condition/ Due on 1/25
		MPI due
		Visual Test due 1/25

Please state the equipment readiness

Ready

Not Ready

-Unit ready for next job.

Maintenance type done. (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME	POSITION	EXAMINER SIGNATURE	VERIFIED BY
Jalani	G.E.O		

Doc. Ref. No.: CTS-FORM-17

Rev. No.: 01

Effective Date: 01/02/2022

(Rev.00, Dated: 01/11/16-OBSOLETE)

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DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type : DID2000 Reel Frame Equipment number : CFW10101/01		✓	DUD				
Location Mob/Demob : Dulay - D. Date : 10/11/2024							
Y	N	Checklist					
Appearance & Safety Equipment:							
✓		Ensure unit is clean					
✓		Physically check frames and skid for damages					
✓		Check walkway/ladder for any damages					
✓		Loads secured					
✓		Ensure anti slip installed at walkway/ladder					
Swivel and Fluid Manifold:							
✓		Manifold complete and secured					
✓		Grease plug valves and chiksans					
✓		Swivel bolts in place					
✓		Pressure test as required					
Reel Drive System:							
✓		Check drive chains condition and lubricate accordingly					
✓		Check chain case oil level					
✓		Grease main bearing accordingly					
✓		Check hydraulic hoses and connections for leaks/damages					
Reel Brake System:							
✓		Check for any damages					
✓		Test reel brake and drive system					
✓		Check drive chain tension					
Levelwind:							
✓		Test override clutch system					
✓		Check chains and leadscrew condition and operation					
✓		Visual check leadscrew yoke & leadcrew					
✓		Correct level wind sprocket for tubing					
✓		Check level wind trolley condition					
✓		Function test levelwind arm (up/down)					
Please state the equipment readiness							
Ready				Not Ready			
Ready for Next Job							
Maintenance type done. (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Zalani		G.B.O		[Signature]		[Signature] Syukri	

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION
—	BLO

ON JOB	LOCATION

POST JOB	LOCATION

Equipment type : CTU Control Cabin
Equipment number : 09U/SE/NOV/2021/002

Y	N	Checklist
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Appearance & Safety Equipment:

<input checked="" type="checkbox"/>	Ensure unit is clean
<input checked="" type="checkbox"/>	Skid condition - visually check for any damage
<input checked="" type="checkbox"/>	Fire extinguisher is present and certified

Cabin - General:

<input checked="" type="checkbox"/>	Inspect hoses for excessive wear
<input checked="" type="checkbox"/>	Check all attaching hardware for tightness
<input checked="" type="checkbox"/>	Check under panels for sign of leaking hoses
<input checked="" type="checkbox"/>	Check hoses for signs of weeping
<input checked="" type="checkbox"/>	Inspect cabling and fittings for excessive wear/damage
<input checked="" type="checkbox"/>	Check horn operation
<input checked="" type="checkbox"/>	Check internal and external lighting is operational
<input checked="" type="checkbox"/>	Lighting system all in working condition
<input checked="" type="checkbox"/>	Windscreen in good condition (No crack or damage)
<input checked="" type="checkbox"/>	Air conditioner working in good condition
<input checked="" type="checkbox"/>	Frame locking pins
<input checked="" type="checkbox"/>	Clean Cabin Interior
<input checked="" type="checkbox"/>	Secure all drain plug
<input checked="" type="checkbox"/>	Roof in good condition
<input checked="" type="checkbox"/>	Electronics & electrical system in good condition
<input checked="" type="checkbox"/>	Computers and monitor in working condition/secured
<input checked="" type="checkbox"/>	Condition/Operation of rain cap
<input checked="" type="checkbox"/>	Condition of exhaust wrap

Controls:

<input checked="" type="checkbox"/>	Function test emergency kill
<input checked="" type="checkbox"/>	Function test engine shut-down
<input checked="" type="checkbox"/>	Manual stripper control in working condition
<input checked="" type="checkbox"/>	Manual BOP control in working condition
<input checked="" type="checkbox"/>	Chain tension and traction in working condition
<input checked="" type="checkbox"/>	Injector chains lube valve in working condition
<input checked="" type="checkbox"/>	Injector Head in working condition
<input checked="" type="checkbox"/>	Levelwind override clutch and raise/lower condition
<input checked="" type="checkbox"/>	Reel drive in working condition
<input checked="" type="checkbox"/>	Reel brake in working condition

Location Mob/Demob : Dubai
Date : 15/7/2024

Y	N	Checklist
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Recording & Monitoring Devices:

<input checked="" type="checkbox"/>	Check all sensors condition
<input checked="" type="checkbox"/>	Wellhead and circulating pressure gauge
<input checked="" type="checkbox"/>	Cables/connectors condition
<input checked="" type="checkbox"/>	Acquisition - check communication with software/hardware
<input checked="" type="checkbox"/>	Weight Indicator in working condition
<input checked="" type="checkbox"/>	Function test COIL STOP on on & cgmms.

Certifications:

	Sling condition/ Due on 8/24
	MPI due 8/25
	Visual Test due 8/24

Please state the equipment readiness

Ready	Not Ready
- Ready for next Job.	

Maintenance type done. (Please state if any spare used)

Preventive Maintenance	Corrective Maintenance

NAME Dalan	POSITION A.E.O	EXAMINER SIGNATURE 	VERIFIED BY
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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION
—	D.C.D.

ON JOB	LOCATION

POST JOB	LOCATION

Equipment type : CTU Power Pack	
Location Mob/Demob : D.C.D.	
Equipment number : CTU / CE / Nov / RV / 002	
Y	N
Checklist	
Appearance & Safety Equipment:	
<input checked="" type="checkbox"/>	Ensure unit appearance good and clean
<input checked="" type="checkbox"/>	Verify that all earth/ground cables are in place, well connected
<input checked="" type="checkbox"/>	Skid condition - visually check for any damage
<input checked="" type="checkbox"/>	Fire extinguisher is present and certified
Cooling System:	
<input checked="" type="checkbox"/>	Coolant level & condition
<input checked="" type="checkbox"/>	Check visible leaks
<input checked="" type="checkbox"/>	Radiator hose & clamp condition
<input checked="" type="checkbox"/>	Perform visual and physical check on radiator fin
Engine:	
<input checked="" type="checkbox"/>	Check engine oil level (SAE 15W-40) not be milky or too dark
<input checked="" type="checkbox"/>	Check any general leaks on all filter, hoses, and connectors.
<input checked="" type="checkbox"/>	Check fan, hub, fanbelt condition/ tension
<input checked="" type="checkbox"/>	Check Battery cable connectors (if applicable)
<input checked="" type="checkbox"/>	Check condition of engine hoses
<input checked="" type="checkbox"/>	Check for rusted part- repair/repaint if required
<input checked="" type="checkbox"/>	Check the crankcase vent system for excessive blow by
<input checked="" type="checkbox"/>	Check engine mounting condition - tight any loose bolt
Ir Cleaner:	
<input checked="" type="checkbox"/>	Check the element for water or soot and clean as required
Controls / Instrumentation:	
<input checked="" type="checkbox"/>	Normal kill and emergency kill tested
<input checked="" type="checkbox"/>	Check all controls condition
<input checked="" type="checkbox"/>	Check all gauges are in good condition and working
Exhaust System:	
<input checked="" type="checkbox"/>	Pipework - check for any leak or damage
<input checked="" type="checkbox"/>	Condition/Operation of exhaust flapper
<input checked="" type="checkbox"/>	Condition of exhaust wrap are in place and in good condition
Gearbox:	
<input checked="" type="checkbox"/>	Check level Sight glass/dipstick shows in full (SAE 90)
<input checked="" type="checkbox"/>	Check condition of the gearbox breather filter
Hydraulic System:	
<input checked="" type="checkbox"/>	Check Hyd. Hoses/valve/connections undamage and clean
<input checked="" type="checkbox"/>	Hyd.tank - drain any water
<input checked="" type="checkbox"/>	Check hydraulic oil level (2" from top) (Tellus 46)
<input checked="" type="checkbox"/>	Check hydraulic gauges
<input checked="" type="checkbox"/>	Check condition of fittings & couplings
Fuel System:	
<input checked="" type="checkbox"/>	Check for any water contamination in the fuel filter sight bowl
<input checked="" type="checkbox"/>	Check fuel tank breather cap condition
<input checked="" type="checkbox"/>	Check for leaks on fuel lines, connections, and hoses
<input checked="" type="checkbox"/>	Fuel filter - check condition
<input checked="" type="checkbox"/>	Fill up the diesel tank to 90%
<input checked="" type="checkbox"/>	Drain 1 litre fuel from drain valve

Running Hours : 2285	
Date : 10/9/2024	
Y	N
Checklist	
Electrical System	
<input checked="" type="checkbox"/>	Check batteries condition and voltage
<input checked="" type="checkbox"/>	Check alternator belt- 1/2-in to 3/4-in yield and wiring
<input checked="" type="checkbox"/>	Cables/connectors condition
<input checked="" type="checkbox"/>	Retie and clean cables/connectors connection
Air System:	
<input checked="" type="checkbox"/>	Check visible leaks
<input checked="" type="checkbox"/>	Air reservoir - drain any water
<input checked="" type="checkbox"/>	Air hose, connections, piping, valves and actuators condition
<input checked="" type="checkbox"/>	All pneumatic control valve working properly
<input checked="" type="checkbox"/>	Gauges in good condition
Zone II System:	
<input checked="" type="checkbox"/>	Flame traps - check cleanliness
<input checked="" type="checkbox"/>	Air intake valve (flapper) - check condition
<input checked="" type="checkbox"/>	Spark arrestor - check condition
Accumulator:	
<input checked="" type="checkbox"/>	Priority 105 psi (Prior to load out)
<input checked="" type="checkbox"/>	BOP 1400 psi (Prior to load out)
<input checked="" type="checkbox"/>	Charge 105 psi (Prior to load out)
Hydraulic System Pressure:	
<input checked="" type="checkbox"/>	Priority circuit 3000 psi
<input checked="" type="checkbox"/>	BOP circuit 3000 psi
<input checked="" type="checkbox"/>	Levelwind circuit 3000 psi
<input checked="" type="checkbox"/>	Auxiliary Circuit 3000 psi
<input checked="" type="checkbox"/>	Reel Circuit 3000 psi
<input checked="" type="checkbox"/>	Injector circuit 3000 psi
System Pressure:	
<input checked="" type="checkbox"/>	Fuel pressure @ idle speed psi
<input checked="" type="checkbox"/>	Fuel pressure @ 1800 RPM psi
<input checked="" type="checkbox"/>	Oil pressure @ cold start 60 psi
<input checked="" type="checkbox"/>	Oil pressure @ 180deg.F 80 psi
Certifications:	
<input checked="" type="checkbox"/>	Sling condition/ Due on 1/25
<input checked="" type="checkbox"/>	MPI due 8/25
<input checked="" type="checkbox"/>	Visual Test due 1/25

Please state the equipment readiness

Ready

Not Ready

- unit ready

Maintenance type done. (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

G. E. O.

POSITION

G. E. O.

EXAMINER SIGNATURE

[Signature]

VERIFIED BY

[Signature]

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DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type : Nitrogen Converter			DLD				
Location Mob/Demob : <i>Bung</i>							
Equipment number :							
Y	N	Checklist					
Appearance & Safety Equipment:							
<input checked="" type="checkbox"/>		Ensure unit appearance good and clean					
<input checked="" type="checkbox"/>		Verify that all earth/ground cables are in place, well connected					
<input checked="" type="checkbox"/>		Skid condition - visually check for any damage					
<input checked="" type="checkbox"/>		Fire extinguisher is present and certified					
Cooling System:							
<input checked="" type="checkbox"/>		Coolant level & condition at radiator					
<input checked="" type="checkbox"/>		Check coolant level & condition at expansion tank					
<input checked="" type="checkbox"/>		Check visible leaks					
<input checked="" type="checkbox"/>		Radiator hose & clamp condition					
<input checked="" type="checkbox"/>		Check fan belt tension & fan condition					
<input checked="" type="checkbox"/>		Perform visual and physical check on radiator fin					
Engine:							
<input checked="" type="checkbox"/>		Check engine oil level(SAE 15W-40) not be milky or too dark					
<input checked="" type="checkbox"/>		Check any general leaks on all filter, hoses, and connectors.					
<input checked="" type="checkbox"/>		Check fan, hub, fanbelt condition/tension					
<input checked="" type="checkbox"/>		Check condition of engine hoses					
<input checked="" type="checkbox"/>		Check for rusted part- repair/repaint if required					
<input checked="" type="checkbox"/>		Check the crankcase vent system for excessive blow by					
<input checked="" type="checkbox"/>		Check engine mounting condition - tight any loose bolt					
Controls / Instrumentation:							
<input checked="" type="checkbox"/>		Normal kill and emergency kill tested					
<input checked="" type="checkbox"/>		Check all controls in good condition					
<input checked="" type="checkbox"/>		Check all gauges are in good condition and working					
<input checked="" type="checkbox"/>		Check (Rate+RPM) and (Pressure+OPS) condition					
<input checked="" type="checkbox"/>		Check RPM, LN2 and GN2 discharge pressure					
<input checked="" type="checkbox"/>		OPSD tested					
Exhaust System:							
<input checked="" type="checkbox"/>		Pipework - check for any leak or damage					
<input checked="" type="checkbox"/>		Condition/Operation of exhaust flapper					
<input checked="" type="checkbox"/>		Condition of exhaust wrap are in place and in good condition					
Hydraulic System:							
<input checked="" type="checkbox"/>		Check Hyd. Hoses/valve/connections undamaged and clean					
<input checked="" type="checkbox"/>		Hyd.tank - drain any water					
<input checked="" type="checkbox"/>		Check hydraulic oil level (2" from top) (Tellus 46)					
<input checked="" type="checkbox"/>		Check hydraulic gauges					
<input checked="" type="checkbox"/>		Check condition of fittings & couplings					
Fuel System:							
<input checked="" type="checkbox"/>		Check for any water contamination in the fuel filter sight bowl					
<input checked="" type="checkbox"/>		Check fuel tank breather cap condition					
<input checked="" type="checkbox"/>		Check for leaks on fuel lines, connections, and hoses					
<input checked="" type="checkbox"/>		Fuel filter - check condition					
<input checked="" type="checkbox"/>		Fill up the diesel tank to 90% (If applicable)					
<input checked="" type="checkbox"/>		Drain 1 litre fuel from drain valve					
Running Hours : 350							
Date : 21/7/2020							
Y	N	Checklist					
Air System:							
<input checked="" type="checkbox"/>		Check any visible leaks					
<input checked="" type="checkbox"/>		Gauges in good condition					
<input checked="" type="checkbox"/>		Air reservoir /tanks - drain any water					
<input checked="" type="checkbox"/>		Air hose,connections, piping, valves and actuators condition					
<input checked="" type="checkbox"/>		All pneumatic control valve working properly					
Air Cleaner:							
<input checked="" type="checkbox"/>		Check the element for water or soot and clean as required					
Electronic Recording & Monitoring Devices:							
<input checked="" type="checkbox"/>		Check all sensors condition					
<input checked="" type="checkbox"/>		Check pump controls, rate and pressure devices.					
<input checked="" type="checkbox"/>		Cables/connectors condition					
Zone II System:							
<input checked="" type="checkbox"/>		Flame traps - check cleanliness					
<input checked="" type="checkbox"/>		Air intake valve (flapper) - check condition					
<input checked="" type="checkbox"/>		Spark arrestor - check condition					
N2 Vaporizer & Heat Exchanger:							
<input checked="" type="checkbox"/>		Check for leaks or damages					
<input checked="" type="checkbox"/>		Check piping for leaks or damages					
Booster Pump:							
<input checked="" type="checkbox"/>		Check C-Pump operation and condition					
<input checked="" type="checkbox"/>		Check hoses, connections and seals condition					
<input checked="" type="checkbox"/>		Suction strainer - check for leaks					
<input checked="" type="checkbox"/>		Proximity switch & cable in good condition					
<input checked="" type="checkbox"/>		Grease the bearings					
Cold End & Warm End:							
<input checked="" type="checkbox"/>		Check for leaks or damages					
<input checked="" type="checkbox"/>		Check operation - frost uniformly during cool down					
<input checked="" type="checkbox"/>		Check lubrication level - when engine at idle					
Gearbox, PTO & Drivelines:							
<input checked="" type="checkbox"/>		Sight glass shows in full (SAE 90)					
<input checked="" type="checkbox"/>		Start & idle engine(5- Min) recheck oil level					
<input checked="" type="checkbox"/>		Listen for excessive noise at PTO					
<input checked="" type="checkbox"/>		Check hoses, connections and seals condition					
<input checked="" type="checkbox"/>		Check all bearings and U-joint grease points					
System Pressure:							
<input checked="" type="checkbox"/>		Fuel pressure@idle speed psi					
<input checked="" type="checkbox"/>		Fuel pressure@1800 RPM psi					
<input checked="" type="checkbox"/>		Oil pressure @ cold start 70 psi					
<input checked="" type="checkbox"/>		Oil pressure @ 180deg.F 85 psi					
Certifications:							
<input checked="" type="checkbox"/>		Sling condition/Due on 8/20					
<input checked="" type="checkbox"/>		MPI due 8/24					
<input checked="" type="checkbox"/>		Visual Test due 8/24					
Please state the equipment readiness							
Ready				Not Ready			
- Ready to go							
Maintenance type done.(Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Jalani		G.E.O		<i>[Signature]</i>		<i>[Signature]</i> Syahmi	

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
<input checked="" type="checkbox"/>	Dulay	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Equipment type : CTU Batch Mixer	
Location Mob/Demob : Dulay	
Equipment number : CTU/BM/02	
<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N Checklist
Appearance and Safety Equipment:	
<input checked="" type="checkbox"/>	Ensure unit appearance good and clean
<input checked="" type="checkbox"/>	Verify that all earth/ground cables are in place, well connected
<input checked="" type="checkbox"/>	Skid condition - visually check for any damage
<input checked="" type="checkbox"/>	Fire extinguisher is present and certified
Cooling System:	
<input checked="" type="checkbox"/>	Coolant level & condition
<input checked="" type="checkbox"/>	Check visible leaks
<input checked="" type="checkbox"/>	Radiator hose & clamp condition
<input checked="" type="checkbox"/>	Perform visual and physical check on radiator fin
Engine Injection:	
<input checked="" type="checkbox"/>	Check engine oil level (SAE 15W-40) not be milky or too dark
<input checked="" type="checkbox"/>	Check any general leaks on all filter, hoses, and connectors.
<input checked="" type="checkbox"/>	Check fan, hub, fanbelt condition/ tension
<input checked="" type="checkbox"/>	Check Battery cable connectors (if applicable)
<input checked="" type="checkbox"/>	Check condition of engine hoses
<input checked="" type="checkbox"/>	Check for rusted part- repair/repaint if required
<input checked="" type="checkbox"/>	Check the crankcase vent system for excessive blow by
<input checked="" type="checkbox"/>	Check engine mounting condition - tight any loose bolt
Controls / Instrumentation:	
<input checked="" type="checkbox"/>	Normal kill tested
<input checked="" type="checkbox"/>	Emergency kill tested
<input checked="" type="checkbox"/>	Oil pressure gauge in good condition
<input checked="" type="checkbox"/>	Tachometer display in good condition
<input checked="" type="checkbox"/>	Throttle control in good condition
<input checked="" type="checkbox"/>	Engine stop cable/button in good condition
<input checked="" type="checkbox"/>	Engine start cable/button in good condition
Exhaust System:	
<input checked="" type="checkbox"/>	Pipework - check for any leak or damage
<input checked="" type="checkbox"/>	Condition/Operation of exhaust flapper
<input checked="" type="checkbox"/>	Condition of exhaust wrap are in place and in good condition
Transmission, Gearbox:	
<input checked="" type="checkbox"/>	Check level Sight glass/dipstick shows in full (SAE 90)
<input checked="" type="checkbox"/>	Check condition of the gearbox breather filter
Hydraulic System:	
<input checked="" type="checkbox"/>	Check Hyd. Hoses/valve/connections undamage and clean
<input checked="" type="checkbox"/>	Hyd.tank - drain any water
<input checked="" type="checkbox"/>	Check hydraulic oil level (2" from top) (Tellus 46)
<input checked="" type="checkbox"/>	Check hydraulic gauges
<input checked="" type="checkbox"/>	Check condition of fittings & couplings
Fuel System:	
<input checked="" type="checkbox"/>	Check for any water contamination in the fuel filter sight bowl
<input checked="" type="checkbox"/>	Check fuel tank breather cap condition
<input checked="" type="checkbox"/>	Check for leaks on fuel lines, connections, and hoses
<input checked="" type="checkbox"/>	Fuel filter - check condition
<input checked="" type="checkbox"/>	Fill up the diesel tank to 90% (if applicable)
<input checked="" type="checkbox"/>	Drain 1 litre fuel from drain valve

Running Hours : 1609	
Date : 01/11/2024	
<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N Checklist
Air System:	
<input checked="" type="checkbox"/>	Check any visible leaks - ensure air up 90-110psi
<input checked="" type="checkbox"/>	Gauges in good condition
<input checked="" type="checkbox"/>	Air reservoir /tanks - drain any water
<input checked="" type="checkbox"/>	Air hose, connections, piping, valves and actuators condition
<input checked="" type="checkbox"/>	All pneumatic control valve working properly
<input checked="" type="checkbox"/>	All gauges in good condition
Air Cleaner:	
<input checked="" type="checkbox"/>	Check the element for water or soot and clean as required
Zone II System:	
<input checked="" type="checkbox"/>	Flame traps - check cleanliness
<input checked="" type="checkbox"/>	Air intake valve (flapper) - check condition
<input checked="" type="checkbox"/>	Spark arrestor - check condition
Paddles / Aggitator:	
<input checked="" type="checkbox"/>	Check oil level (SAE 90)
<input checked="" type="checkbox"/>	Grease bearing
<input checked="" type="checkbox"/>	Check agitators rotation
System Pressure:	
<input checked="" type="checkbox"/>	Fuel pressure @ idle speed _____ psi
<input checked="" type="checkbox"/>	Fuel pressure @ 1800 RPM _____ psi
<input checked="" type="checkbox"/>	Oil pressure @ cold start 65 psi
<input checked="" type="checkbox"/>	Oil pressure @ 180deg.F 65 psi
Certifications:	
<input type="checkbox"/>	Sling condition/ Due on _____
<input type="checkbox"/>	MPI due _____
<input type="checkbox"/>	Visual Test due _____

Please state the equipment readiness

Ready

Not Ready

-unit Ready for next job.

Maintenance type done. (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY

Zalani
Doc. Ref. No.: CTS-FORM-13
Rev. No.: 01

G. E. O

[Signature]

[Signature] Syukri

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