



Top Drive 3 Months
3 Months Preventive Maintenance Inspection.

Date May 17, 2014
Spud Date December 12, 2013

Ensure Adequate Safety Precautions while work is being performed.

Rig No. _____
AFE # _____
Well # _____

Rig Number 99999
Model Number xxx
Serial Number xxx
Unit Number xxx

Item	1. CANRIG TD Greasing Schedule	Item Checked	Repairs Needed?
1 AC Drilling	Motor Bearings	Motor Grease	Not Checked Yes
2 AC Blower Motor		Motor Grease	Not Checked Yes
3 Lub oil Pump	Motor	Motor Grease	Not Checked Yes
4 Lub Cooler	Motor	Motor Grease	Not Checked Yes
5 HPU 1 Motor	Tow Points	Motor Grease	Not Checked No
6 HPU 2 Motor	Tow Points	Motor Grease	Not Checked No
2. Control System Function Checks			
7 a. Blower	Item		Not Checked Yes
8 Enable	Blowers On		Not Checked No
9 Aux	Blowers Off		Not Checked No
10 Off	Blowers Off		Not Checked No
b. HPU Pump	Item		
11 Enable	HPU Pump on		Not Checked No
12 Aux	HPU Pump on		Not Checked No
13 Off	HPU Pump off		Not Checked
c. Loop oiler & loop cooler	Item		
15 Enable	Loop Oiler & Loop Cooler on		Not Checked No
16 Aux	Loop Oiler & Loop Cooler off		Not Checked No
17 Off	Loop Oiler & Loop Cooler off		Not Checked No
d. Link Tilt	Item		
18 Down	Links Retract		Not Checked No
19 Off	No Movement		Not Checked No
20 Up	Links Extended		Not Checked No
21 Right	Links Floating		Not Checked No
e. Brake	Item		
22 On	Brake on, Brake actuates		Not Checked No
23 Off	Brake off, Brake de-actuates		Not Checked Yes
f. Lower well control valve	Item		
24 Open	The valve will open		Not Checked No
25 Close	The valve will close		Not Checked No
26 Auto	This function not activate		Not Checked No
g. Handler Rotating	Item		
27 Up	Handler unlock		Not Checked No
28 Fwd	Rotate Forward		Not Checked No
29 Rev	Rotate Reverse		Not Checked No
h. Back up wrench	Item		
30 Up	Raise BUW gripper		Not Checked No
31 Down	Lower BUW gripper		Not Checked No
32 Close	Close BUW gripper: This position spring return		Not Checked No
i. Torque boost	Item		
33 Make up	TD will rotate hydraulically forward		Not Checked No
34 Make out	TD will rotate hydraulically reverse		Not Checked No
35 off	torque boost rotation stop		Not Checked No
36 Top Drive	Megger all AC motor in TD system including main AC motor		Not Checked No
37 Top Drive	Megger power loop service		Not Checked No
38 Top Drive	Check the bolts for all motors connection box and rear fans cover		Not Checked No

Remarks _____

ENSURE ALL GUARDS AND COVERS ARE IN PLACE WITH ALL BOLTS INSTALLED.

Signature - Mechanic _____ Signature - Electrician _____ Foreman _____ Toolpusher _____ Superintendent _____



ENGINES#1
6 Monthly Preventive Maintenance Inspection.

Date May 17, 2014
Spud Date December 12, 2013

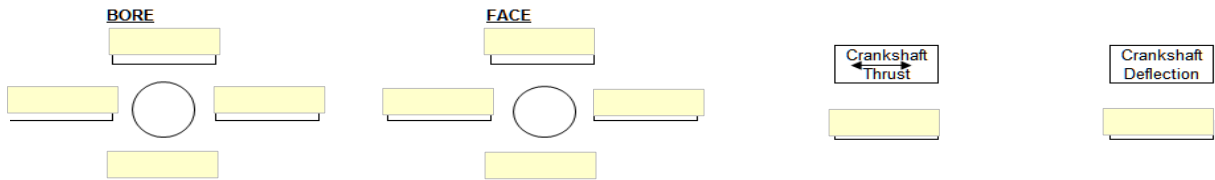
Ensure Adequate Safety Precautions while work is being performed.

Rig No.
AFE # 99999
Well # abc ABC

Model Number Cat
Serial Number xxx

Hours 0

Item	Recommend lube or maintenance standard	Item Checked	Repairs Needed?
1 VALVES	Check and adjust valves. Manually check valves for side movement.	Not Checked	Yes
2 VALVES	Verify injector settings.	Not Checked	Yes
3 AIR INTAKE SYSTEM	Ensure that all connections and gaskets are secure.	Not Checked	Yes
4 AIR INTAKE SYSTEM	Verify entire air intake system. Verify condition of air cleaner indicator and filters.	Not Checked	Yes
5 SAFETY SHUTDOWN MECHANISM	Verify operation by manually tripping at low idle.	Not Checked	No
6 SAFETY SHUTDOWN MECHANISM	Record Low Oil psi setting.	Not Checked	No
7 SAFETY SHUTDOWN MECHANISM	Verify H.M.S.O. is operating correctly.	Not Checked	Yes
8 SAFETY SHUTDOWN MECHANISM	Record High Temperature setting.	Not Checked	No
9 SAFETY SHUTDOWN MECHANISM	Hydro Mechanical Shut Off	Not Checked	No
10 SAFETY SHUTDOWN MECHANISM	Record H.M.S.O Run psi	Not Checked	No
11 SAFETY SHUTDOWN MECHANISM	Verify H.M.S.O. is operating correctly by tripping remote stop & holding air flappers open.	Not Checked	No
12 SAFETY SHUTDOWN MECHANISM	Hydro Mechanical Shut Off	Not Checked	No
13 VEE BELT DRIVES	Check belts for breaks or cracks. (DO NOT OVER TIGHTEN)	Not Checked	Yes
14 VEE BELT DRIVES	Verify fan blades, hubs and pulleys for wear and cracks.	Not Checked	No
15 VEE BELT DRIVES	Verify bearings on belt adjusting pulleys and fan shaft bearings.	Not Checked	No
16 THROTTLE MECHANISM (HAND AND ACTUATOR TYPES)	Visually inspect linkage for wear and angle adjustment.	Not Checked	No
17 THROTTLE MECHANISM (HAND AND ACTUATOR TYPES)	Note actuator voltages	Not Checked	No
18 THROTTLE MECHANISM (HAND AND ACTUATOR TYPES)	Voltage @ idle	Not Checked	No
19 THROTTLE MECHANISM (HAND AND ACTUATOR TYPES)	Voltage @ 1200 Rpm no load.	Not Checked	No
20 THROTTLE MECHANISM (HAND AND ACTUATOR TYPES)	Verify full travel on throttle actuator. Record overspeed trip setting.	Not Checked	No
21 THROTTLE MECHANISM (HAND AND ACTUATOR TYPES)	CAUTION: DO NOT EXCEED RATED ENGINE SPEED!	Not Checked	No
22 THROTTLE MECHANISM (HAND AND ACTUATOR TYPES)	ENGINES FITTED WITH ELECTRONIC SHUT-DOWN, USE TRIP BUTTON	Not Checked	No
23 CRANKCASE (ENGINES WITH CRANKCASE COVERS)	Check all crank journals for discoloration.	Not Checked	No
24 CRANKCASE (ENGINES WITH CRANKCASE COVERS)	Verify no foreign particles in sump. Wipe sump dry.	Not Checked	No
25 CRANKCASE (ENGINES WITH CRANKCASE COVERS)	Remove and clean crankcase vents	Not Checked	No
26 CRANKCASE (ENGINES WITH CRANKCASE COVERS)	Remove oil pump suction screen and clean yearly.	Not Checked	No
27 CRANKCASE (ENGINES WITH CRANKCASE COVERS)	Date last Removed.	Not Checked	No
28 GENERATOR ALIGNMENT AND COUPLING	Remove element, verify alignment, redress and/or replace element. Note if changed.	Not Checked	No
29 COOLING SYSTEM	Test level of inhibitor. Clean externally. (Should be done at each engine service.)	Not Checked	No
30 COOLING SYSTEM	Verify water pump, water hoses and connections.	Not Checked	No
31 SERVICE	Change oil, oil filters and fuel filters. (Open used oil filters and check for metal particles.)	Not Checked	No
32 SERVICE	RECORD FINDINGS IN COMMENTS SECTION!	Not Checked	No
33 GENERAL	Verify all gauges and air starting system.	Not Checked	No
34 GENERAL	Rectify all oil, fuel and water leaks.	Not Checked	No
35 FINAL ALIGNMENT READINGS:		Not Checked	No



37 RADIATOR FAN MOTOR IF APPLICABLE	Amps		Not Checked	No
38 RADIATOR FAN MOTOR IF APPLICABLE	Megger		Not Checked	No
39 RADIATOR FAN MOTOR IF APPLICABLE	F/L Amps			
40				

Remarks _____

ENSURE ALL GUARDS AND COVERS ARE IN PLACE WITH ALL BOLTS INSTALLED.

Signature - Mechanic _____ Signature - Electrician _____ Foreman _____ Toolpusher _____ Superintendent _____



INSTRUMENTATION
Monthly Preventive Maintenance Inspection.

Date May 17, 2014
Spud Date December 12, 2013

Ensure Adequate Safety Precautions while work is being performed.

Rig No.
AFE. #
Well #

Rig Number
99999
abc ABC

Item	Recommend lube or maintenance standard	Item Checked	Repairs Needed?
1 PANEL Intrumentation	Verify that Drillers Display Panel is functional correctly and air purge OK.	Not Checked	Yes
2 PANEL Intrumentation	Verify Keypad operation	Not Checked	Yes
3 PANEL Intrumentation	Verify all alarms are working	Not Checked	Yes
4 PANEL Intrumentation	Verify Block Position and ROP	Not Checked	Yes
5 PANEL Intrumentation	Verify Display Panel is water tight	Not Checked	Yes
6 PANEL Intrumentation	Verify Monitor operation in Toolpusher's office	Not Checked	No
7 PANEL Intrumentation	Verify Monitor operation in Company man's office	Not Checked	Yes
8 DRILLERS CONSOLE	Verify deadline anchor air gap.	Not Checked	No
9 DRILLERS CONSOLE	Verify weight indicator.	Not Checked	No
10 DRILLERS CONSOLE	Verify Tong Line Pull gauge and transducer calibration.	Not Checked	No
11 DRILLERS CONSOLE	Verify Rotary Torque Meter calibration.	Not Checked	No
12 DRILLERS CONSOLE	Verify Rortary RPM meter calibration.	Not Checked	No
13 DRILLERS CONSOLE	Verify all Pump SPM meters calibration.	Not Checked	No
14 DRILLERS CONSOLE	Verify all Standpipe and Annulus gauges calibration.	Not Checked	No
15 DRILLING RECORDER AND CIRCULAF	Verify operation and calibration of all pens.	Not Checked	No
16 DRILLING RECORDER AND CIRCULAF	Verify footage counter.	Not Checked	No
17 DRILLING RECORDER AND CIRCULAF	Verify geograph line, sheaves and line retriever.	Not Checked	No
18 DRILLING RECORDER AND CIRCULAF	Verify hydraulic hoses, weight and pressure.	Not Checked	No
19 PVT	Verify calibration and operation of all Pit probes.	Not Checked	No
20 PVT	Verify operation and calibration of Loss/Gain indicator.	Not Checked	No
21 PVT	Verify operation and calibration of Loss/Gain alarm.	Not Checked	No
22 PVT	Verify Total Strokes counter.	Not Checked	No
23 CHOKE CONTROL	Verify SPM meters and Stroke counters.	Not Checked	No
24 CHOKE CONTROL	Verify Choke Position indicators.	Not Checked	No
25 CHOKE CONTROL	Verify all air and hydraulic lines. Repair all leaks.	Not Checked	No
26 CHOKE CONTROL	Verify operation of hydraulic pump.	Not Checked	No
27 CHOKE CONTROL	Verify operation of manual pump.	Not Checked	No
28 CHOKE CONTROL	Verify condition or all pressure gauges.	Not Checked	No
29 TRIP TANK AND FLOW SHOW	Verify calibration and operation of all Trip Tank Probes.	Not Checked	No
30 TRIP TANK AND FLOW SHOW	Verify Flow Show paddle movement 0% to full scale	Not Checked	No
31 TRIP TANK AND FLOW SHOW	Verify Flow Show display, 0% to full scale.	Not Checked	No
32 AIR SUPPLY	Verify all air regulators.	Not Checked	No
33 AIR SUPPLY	Verify and clean all air filters.	Not Checked	No
34 AIR SUPPLY	Verify all air lubricators.	Not Checked	No
35 AIR SUPPLY	Verify all air supply and purge lines. Repair all air leaks.	Not Checked	No
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Remarks _____

ENSURE ALL GUARDS AND COVERS ARE IN PLACE WITH ALL BOLTS INSTALLED.

_____ Signature - Mechanic
 _____ Signature - Electrician
 _____ Foreman
 _____ Toolpusher
 _____ Superintendent



Mud Pump 1
6 Monthly Preventive Maintenance Inspection.

Date May 17, 2014
Spud Date December 12, 2013

Ensure Adequate Safety Precautions while work is being performed.

Rig No. _____
AFE # 99999
Well # abc ABC

Make _____
Model xxx

Serial Number xxx
Hours 0

Item	Recommend lube or maintenance standard	Item Checked	Repairs Needed?
1 CHAIN DRIVE Mud Pumps	Verify teeth, all sprockets.	Not Checked	Yes
2 CHAIN DRIVE Mud Pumps	Verify sprocket to chain alignment.	Not Checked	Yes
3 CHAIN DRIVE Mud Pumps	Verify bolts in top and bottom sprockets.	Not Checked	Yes
4 CHAIN DRIVE Mud Pumps	Verify drive chain master link cotter keys.	Not Checked	Yes
5 CHAIN DRIVE Mud Pumps	Rectify all oil leaks.	Not Checked	No
6 CHAIN DRIVE Mud Pumps	Verify chain tension and wear.	Not Checked	No
7 CHAIN DRIVE Mud Pumps	Stretch Left	Not Checked	Yes
8 CHAIN DRIVE Mud Pumps	Sag Left	Not Checked	No
9 CHAIN DRIVE Mud Pumps	Stretch Right	Not Checked	No
10 CHAIN DRIVE Mud Pumps	Sag Right	Not Checked	No
11 CHAIN DRIVE Mud Pumps	Remove and clean sump screen.	Not Checked	No
12 CHAIN DRIVE Mud Pumps	Drain oil, thoroughly clean chain case, refill with chain oil	Not Checked	No
13 BELT DRIVE Mud Pumps	Verify condition of belts.	Not Checked	No
14 BELT DRIVE Mud Pumps	Verify alignment and tightness of belts.	Not Checked	No
15 GEAR END	Verify condition of gears. (Galling, flaking, cracking, etc.)	Not Checked	No
16 GEAR END	Check oil for suspended metal.	Not Checked	No
17 GEAR END	Verify main bearing housings. (Cracks)	Not Checked	No
18 GEAR END	Verify main bearing retainers.	Not Checked	No
19 GEAR END	Verify no unusual knocks while unit is operating.	Not Checked	No
20 GEAR END	Verify eccentric. (Cracks)	Not Checked	No
21 GEAR END	Clean internal suction screen. (Where applicable)	Not Checked	No
22 GEAR END	Take oil sample and change oil when needed	Not Checked	No
23 GEAR END	Change oil filter.	Not Checked	No
24 GEAR END	Clean magnetic filter. (Where applicable)	Not Checked	No
25 EXTERNAL Mud Pumps	Verify operation of stroke counters.	Not Checked	No
26 EXTERNAL Mud Pumps	Verify oil temperature gauge.	Not Checked	No
27 EXTERNAL Mud Pumps	Clean radiator.	Not Checked	No
28 EXTERNAL Mud Pumps	Rectify all oil leaks.	Not Checked	No
29 EXTERNAL Mud Pumps	Verify pulsation dampner.	Not Checked	No
30 EXTERNAL Mud Pumps	Verify liner cooling system	Not Checked	No
31 EXTERNAL Mud Pumps	Shield on extension rod to prevent water from entering gear end:	Not Checked	No
32 EXTERNAL Mud Pumps	Condition of liner cooling lines	Not Checked	No
33 EXTERNAL Mud Pumps	Record Nitrogen Pressure	Not Checked	No
34 EXTERNAL Mud Pumps	Pressure at jets	Not Checked	No
35 ALL MOTORS Mud Pumps	Use infrared thermometer to check all plugs, receptacles, terminals and circuit breaker.	Not Checked	No
36 ALL MOTORS Mud Pumps	Note all abnormalities. NOTE: Unit must be run at least 1 hour prior to checks.	Not Checked	No
37 ALL MOTORS Mud Pumps	Check cooling fan and fan cover.	Not Checked	No
38 ALL MOTORS Mud Pumps	Verify alignment.	Not Checked	No
39 ALL MOTORS Mud Pumps	Verify motor is clean with no excessive paint.	Not Checked	No
40 ALL MOTORS Mud Pumps	Verify no excessive bearing noise or vibration.	Not Checked	No
41 ALL MOTORS Mud Pumps	Verify condition of cables and connections.	Not Checked	No
42 CHAIN OILER #1	Amps	Not Checked	No
43 CHAIN OILER #1	Megger	Not Checked	No
44 CHAIN OILER #1	Oil Pressure	Not Checked	No
45 CHAIN OILER #1	F/L Amps	Not Checked	No
46 CHAIN OILER #1	O/L Amps	Not Checked	No
47 CHAIN OILER #1	Grease	Not Checked	No
48 CHAIN OILER #1	Sealed	Not Checked	No
49 CHAIN OILER #2	Amps	Not Checked	No
50 CHAIN OILER #2	Megger	Not Checked	No
51 CHAIN OILER #2	Oil Pressure	Not Checked	No
52 CHAIN OILER #2	F/L Amps	Not Checked	No
53 CHAIN OILER #2	O/L Amps	Not Checked	No
54 CHAIN OILER #2	Grease	Not Checked	No
55 CHAIN OILER #2	Sealed	Not Checked	No
56 GEAR OILER	Amps	Not Checked	No
57 GEAR OILER	Megger	Not Checked	No
58 GEAR OILER	Oil Pressure	Not Checked	No
59 GEAR OILER	F/L Amps	Not Checked	No
60 GEAR OILER	O/L Amps	Not Checked	No
61 GEAR OILER	Grease	Not Checked	No
62 GEAR OILER	Sealed	Not Checked	No
63 LINER FLUSH MOTOR	Amps	Not Checked	No
64 LINER FLUSH MOTOR	Megger	Not Checked	No
65 LINER FLUSH MOTOR	Oil Pressure	Not Checked	No
66 LINER FLUSH MOTOR	F/L Amps	Not Checked	No
67 LINER FLUSH MOTOR	O/L Amps	Not Checked	No
68 LINER FLUSH MOTOR	Grease	Not Checked	No
69 LINER FLUSH MOTOR	Sealed	Not Checked	No
70 OIL COOLING FAN MOTOR	Amps	Not Checked	No
71 OIL COOLING FAN MOTOR	Megger	Not Checked	No
72 OIL COOLING FAN MOTOR	Grease	Not Checked	No
73 OIL COOLING FAN MOTOR	Sealed	Not Checked	No
74 CHARGING PUMP	Amps	Not Checked	No
75 CHARGING PUMP	Megger	Not Checked	No
76 CHARGING PUMP	Grease	Not Checked	No
77 CHARGING PUMP	Sealed	Not Checked	No
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Remarks _____

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Signature - Mechanic _____ Signature - Electrician _____ Foreman _____ Toolpusher _____ Superintendent _____



BOP CLOSING UNIT
Monthly Preventive Maintenance Inspection.

Date: May 17, 2014
Spud Date: December 12, 2013

Ensure Adequate Safety Precautions while work is being performed.

Rig No.	<u> </u>	Model Number	<u>xxx</u>
AFE. #	<u>99999</u>	Serial Number	<u>xxx</u>
Well #	<u>abc ABC</u>		

Item	Recommend lube or maintenance standard	Item Checked	Repairs Needed?
1 BOP UNIT	Verify oil level maintained. Use hydraulic oil.	Not Checked	Yes
2 BOP UNIT	Verify oil is not contaminated.	Not Checked	Yes
3 BOP UNIT	Verify triplex pumps and air pumps. Record recovery time.	Not Checked	Yes
4 BOP UNIT	Verify triplex pump chain and sprockets.	Not Checked	Yes
5 BOP UNIT	Verify cut-in and cut-out pressure of triplex pump. (Cut-in 2700) (Cut-out 3000)	Not Checked	No
6 BOP UNIT	Verify cut-in and cut-out pressure of air pumps. (Cut-in 2500) (Cut-out 2900)	Not Checked	No
7 BOP UNIT	Function test remote control unit. (CONSULT TOOLPUSHER)	Not Checked	Yes
8 BOP UNIT	Verify condition of multi-capillary tube to remote control units.	Not Checked	No
9 BOP UNIT	Grease pivot pin on remote actuator cylinder. Lubricate shaft.	Not Checked	No
10 BOP UNIT	Verify all gauges. Manifold 1500psi accumulator 3000psi Hydriil 1000psi +/- 200psi	Not Checked	No
11 BOP UNIT	Verify all operational labels are in place.	Not Checked	No
12 BOP UNIT	Verify airline strainer and air lubricator.	Not Checked	No
13 BOP UNIT	Verify gauge transmitters.	Not Checked	No
14 BOP UNIT	Rectify all oil leaks and clean unit.	Not Checked	No
15 BOP UNIT	Verify colflex hoses and connections.	Not Checked	No
16 BOP UNIT	Check Vortex cooling on PLC assembly	Not Checked	No
17 BOP MOTOR	Use infrared thermometer to check all plugs, receptacles, terminals and circuit breaker.	Not Checked	No
18 BOP MOTOR	Note all abnormalities. NOTE: Unit must be run prior to checks.	Not Checked	No
19 BOP MOTOR	Check cooling fan and fan cover.	Not Checked	No
20 BOP MOTOR	Verify alignment.	Not Checked	No
21 BOP MOTOR	Verify motor is clean with no excessive paint.	Not Checked	No
22 BOP MOTOR	Verify no excessive bearing noise or vibration.	Not Checked	No
23 BOP MOTOR	Verify condition of cables and connections.	Not Checked	No
24 BOP MOTOR	Verify H.O.A. switch is spring return from hand position type and operating correctly.	Not Checked	No
25 BOP MOTOR	Record amps. F/L Amps		Not Checked
26 BOP MOTOR	Record megger reading. Megohms		Not Checked
27 ACC BOTTLE NUMBERS	Verify accumulator bottle Nitrogen pre-charge pressures. Note all discrepancies.		No
28 HYDRAULIC OIL TANK	Check level	Not Checked	No
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Remarks _____

ENSURE ALL GUARDS AND COVERS ARE IN PLACE WITH ALL BOLTS INSTALLED.

Signature - Mechanic _____ Signature - Electrician _____ Foreman _____ Toolpusher _____ Superintendent _____



Camp GENERATORS#1
Monthly Preventive Maintenance Inspection.

Date May 17, 2014
Spud Date December 12, 2013

Ensure Adequate Safety Precautions while work is being performed.

Rig No. Rig Number
AFE. # 99999
Well # abc ABC

Model Number Cat
Serial Number xxx

Hours 0

Item	Recommend lube or maintenance standard	Item Checked	Repairs Needed?
1 Gease	Grease unit as per manufactuers specifications. Verify that the hose between grease zerk and the bearing cavity is intact and grease is reaching the bearing.	Not Checked	Yes
2 Gease	Running temperature normal.	Not Checked	Yes
3 Bearings	Temp	Not Checked	Yes
4 Bearings	Check bearing lift using a bar under the drive end. Bearing	Not Checked	Yes
5 Bearings	Check exciter clearance where applicable. Air Gap	Not Checked	Yes
6 Megger	Megger all phases of generator.	M Ω	Not Checked
7 Megger	Megger exciter field winding.	M Ω	Not Checked
8 Megger	Megger rotating field windings.	M Ω	Not Checked
9 Slip Rings	Verify brushes have adequate legnth, free movement and no damage	Not Checked	Yes
# Check	Check unit appearance. Paint, doors and hood OK.	Not Checked	No
# Check	Verify stinger; ground clamps and leads.	Not Checked	No
# Check	Spare Fuel Filter	Not Checked	No
# Check	Spare oil filter.	Not Checked	No
# Check	Spare fan belt.	Not Checked	No
# Check	Spare main brushes.	Not Checked	No
# Check	Spare exciter brushes.	Not Checked	No
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Remarks _____

ENSURE ALL GUARDS AND COVERS ARE IN PLACE WITH ALL BOLTS INSTALLED.

Signature - Mechanic

Signature - Electrician

Foreman

Toolpusher

Superintendent