











STOPPED HERE





SIEMENS

Нрч-а3



HP4-23







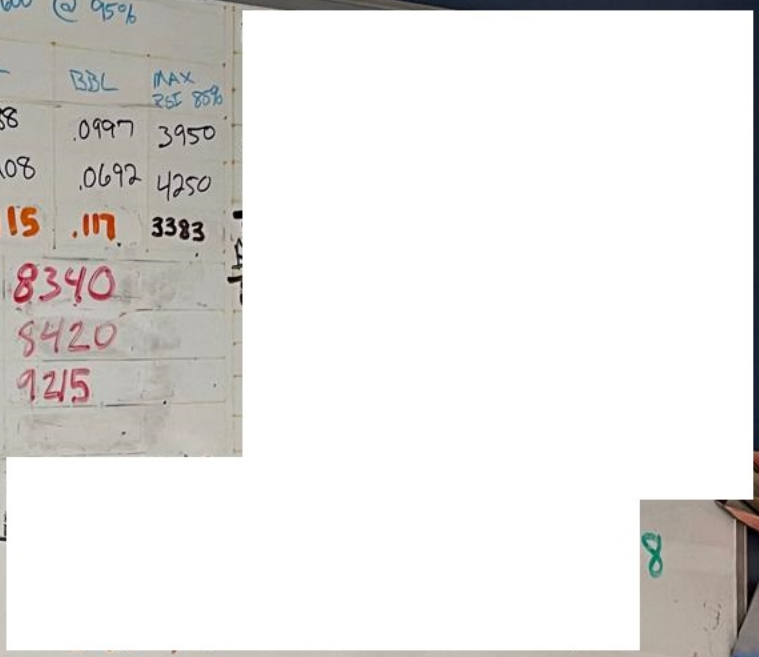




ALL INJURIES AND NEAR MISSES **MUST** BE REPORTED TO YOUR RIG MANAGER IMMEDIATELY
FAILURE TO DO SO WILL CAUSE ANY CLAIM TO BE DENIED

INVENTORY	MAKE-UP TORQUE	CAP	DISF	FD-1100 @ 95%	12" STK	GAL	BBL	MAX RES 80%
8" D.C. 6 5/8 Reg. 18	45K	.0073	.0549					
0 1/2" Dc 4 1/2 x H	28,000	.006	.025		6" LOWER	4.188	.0997	3950
5" HWDP 4 1/2 IF	30	.0088	.0179		5" LOWER	2.908	.0692	4250
5" G-105 (GREEN BAND) 4 1/2 IF	300	.0179	.00827	6.5	4.915	.117	3383	
5" S-135 (PURPLE BAND) 4 1/2 IF	304	.01719	.00827	CSH SHOE	8340			
4" HWDP XT-39	20,000	.0073	.01	KOP	8420			
4" HWDP XT-39	20,000	.01093	.00587	LANDING	9245			
				BIT T/SURVEY				

To Do List



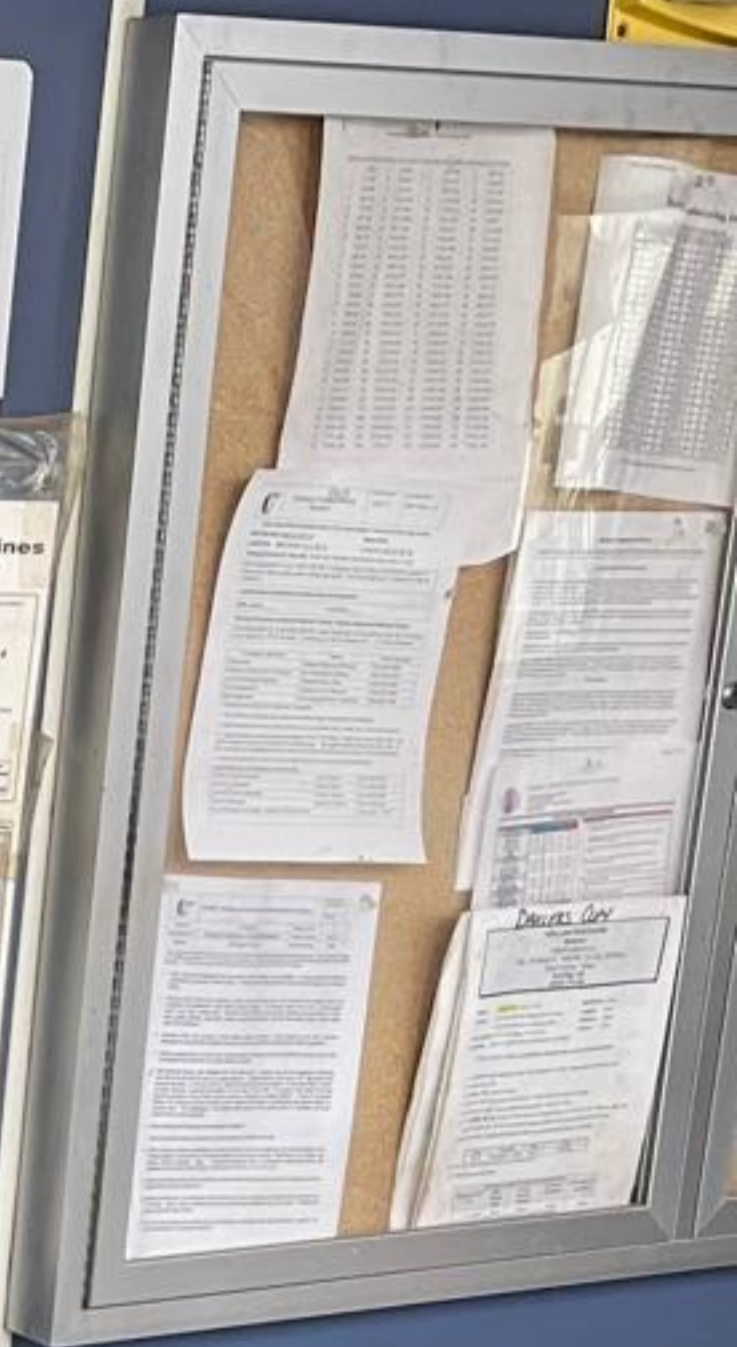




Rig Man Signout

WELL CONTROL SHUT-IN PROCEDURES

TDS-115A Lubrication and Maintenance Guidelines



SO WILL CAUSE
O BE DENIED

@ 95%
 ERK (325) 650-0725 Train
 STW 580-214-0102 424-934-9028
 BT 105-252-0200
 James 580-791-0500
 Preston 817-123-1997
 TUPCA 432-317511
 Boldy 214-842-1933
 Thred Rep 281-222-0507
 Alan Martin 580-515-4154
 Paul 580-330-1361
 Slade 1-888-933-1315
 TPC 6977
 Jake
 409-929-0398

NEEDS & PARTS

Charles Hutson
281-755-1153

HVAC CONTROL ENCLOSURE
 TAG NO. 99-85-54
 cLink
 custom controls company

A set of three metal shelves containing various items: a cardboard box, a spray bottle, a blue container, and some tools.

A large, heavy-duty metal cabinet with a top surface, two drawers, and two doors at the bottom. It has multiple handles and latches.

A control panel featuring a small screen, a red button labeled "HOLD TO OPERATE", and a power switch labeled "POWER OFF ON".

76

MAKE-UP CURRENT LIMIT
OIL PRESS LOSS
VDC PRESS LOSS
DRILL MOTOR OVERTEMP
DRILL TORQUE
SPIN TORQUE
TORQUE WRENCH PUSH & HOLD
TORQUE
SLOWER LOSS
ALARM LAMP SILENCE CHECK
HYDRAULIC POWER ON
COUNTERBALANCE DRILL
PIPEHANDLER
LEFT ROTATE
RIGHT LINK TILT FLOAT
LPSX TILT OFF
DRILL TILT
IBOP IBOP CLOSED
IBOP OPEN
IBOP CLOSE
BRAKE BRAKE ON
BRAKE AUTO
OFF ON
EMERGENCY STOP
Varco
THROTTLE
DRILL TORQUE
DRIVE FAULT
REVERSE
OFF
FORWARD

TORQUE
RPM

6147

7200

DRAWWORKS HIGH CLUTCH
DISC BRAKE HYDRAULIC SUPPLY
DS SUPPLY PRESSURE
ODS SUPPLY PRESSURE
DRAWWORKS AIR SUPPLY
DRAWWORKS BRAKE COOLING WATER

SCR 1 SCR 2 SCR 3 SCR 4
ALARM SILENCE COMMON ALARM
GEN 1 GEN 2 GEN 3 GEN 4
MP 1 MP 2
TRIPPING ASSIGNMENT DRILLING

SCR1	SCR2	SCR3	SCR4	OFF
DWB	DWA	RT	MP2	DWS
DWB	MP1	RT	DWA	DWS
				MP2



7200

DRAWWORKS AIR SUPPLY
DRAWWORKS BRAKE COOLING WATER
MAIN HYDRAULIC SUPPLY
HYDRAULIC CATHEAD MAKEUP / BREAKOUT

SCR 1 SCR 2 SCR 3 SCR 4
GEN 1 GEN 2 GEN 3 GEN 4
ALARM SILENCE COMMON ALARM
MP1 BLWR MP2 BLWR DW BLWR
MP1 REV MP2 REV DW REV
MP1 ON MP2 ON DW ON
BYPASS SCR PLC POWER LIMIT

TRIPPING				ASSIGNMENT				DRILLING			
SCR1	SCR2	SCR3	SCR4	DWB	DWA	RT	MP2	SCR1	SCR2	SCR3	SCR4
DWB	DWA	RT	MP2	DWB	DWA	RT	MP2	DWB	DWA	RT	MP2
MP1	RT	DWB	DWA	MP1	RT	DWB	DWA	MP1	RT	DWB	DWA
DWB	RT	MP2	DWA	DWB	RT	MP2	DWA	DWB	RT	MP2	DWA

PLC BYPASS MODE - ASSIGNMENT 1

MP1 THROTTLE MP2 THROTTLE
DW THROTTLE RT THROTTLE
RT 1 LIMIT
HYDRAULIC CATHEAD
MAKEUP PRESSURE
HYDRAULIC CATHEAD
EMERGENCY PARK BRAKE

TRIP TANK
RT SPEED
TONG PUMP
RT AMP
MUD STANDPIPE
MUD RETURN FLOW
MP1 RESET
MP #1 STROKES TOTALIZER
MP1 SPM
MP #2 STROKES
MP2 SPM

PIPE RAM FAIL SAFE SYSTEM

DW LOW GEAR DW HIGH GEAR
ROTARY LOW NEUTRAL
OFF INERTIA BRAKE
CCW OFF CW SWIVEL
CROWN-O-MATIC RESET
DW CLUTCH
EMERGENCY PARK BRAKE



DRAWWORKS HIGH CLUTCH



DISC BRAKE HYDRAULIC SUPPLY



DS SUPPLY PRESSURE



ODS SUPPLY PRESSURE



DRAWWORKS AIR SUPPLY



DRAWWORKS BRAKE COOLING WATER



DRAWWORKS LOW CLUTCH



EMERGENCY CALIPER



DS SERVICE CALIPER



ODS SERVICE CALIPER



MAIN HYDRAULIC SUPPLY



HYDRAULIC CATHEAD MAKEUP / BREAKOUT



DRAWWORKS LUBE OIL



ROTARY INERTIA BRAKE

TOP WINDOW
WIPER WASHER

FRONT LEFT WINDOW
WIPER WASHER

FRONT RIGHT WINDOW
WIPER WASHER



BRAKE TEST

DWA AMPS[SCR#2]

PIPE RAM FAIL SAFE SYSTEM

DW LOW GEAR DW HIGH GEAR

OFF ROTARY LOW NEUTRAL

INERTIA BRAKE

CCW OFF CW

SWIVEL CROWN-O-MATIC RESET

LOW OFF HIGH DW CLUTCH

EMERGENCY PARK BRAKE

SCR 1 SCR 2 SCR 3

GEN 1 GEN 2 GEN 3

TRIPPING ASSIGNMENT

SCR1	SCR2	SCR3	SCR4
DWB	DWA	RT	MP2
DWB	MP1	RT	DWA
MP1	RT	DWB	DWA
DWB	RT	MP2	DWA

PLC BYPASS MODE = ASSIGNMENT

HYDRAULIC CATHEAD

PULL

MAKEUP PRESSURE

OFF MAKEUP BRE... HYDRAULIC CATHEAD



DAQ HORN

SILENCE ALARMS &
RANGE OVERRIDE
(HOLD 3 SEC)

AUTODRILL



START STOP

START STOP

START STOP

TRIP TANK # 1

TRIP

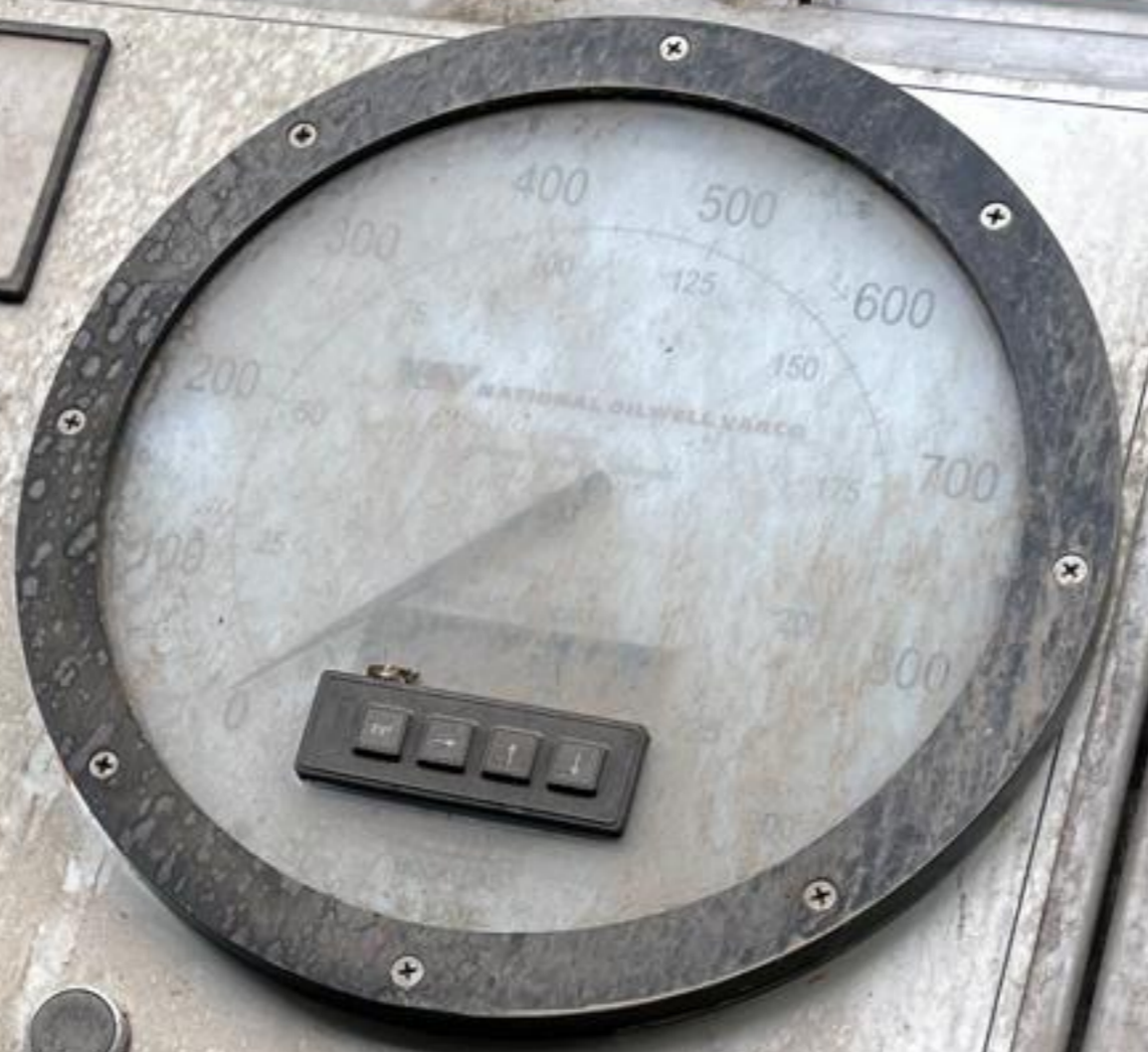


Control panel section on the left side of the dashboard, featuring several indicator lights and control knobs:

- Red button: GROUND FAULT
- White button: RT BURST
- Orange button: POWER LIMIT
- Black knob: SCR PLC
- Grey knob: BYPASS
- Grey knob: MIN MP2 THROTTLE
- Grey knob: MIN MP1 THROTTLE
- Grey knob: MIN DW THROTTLE
- Grey knob: MIN RT THROTTLE
- Grey knob: RT LIMIT
- Red emergency stop buttons: SCR ESD and GENERATOR ESD

Top-left section of the dashboard with five square gauges:

- TRIP TANK
- RT SPEED
- TONG PULL
- RT AMP
- MUD STANDPIPE
- MUD RETURN FLOW



Bottom-center section of the dashboard with two digital stroke totalizers and two speed gauges:

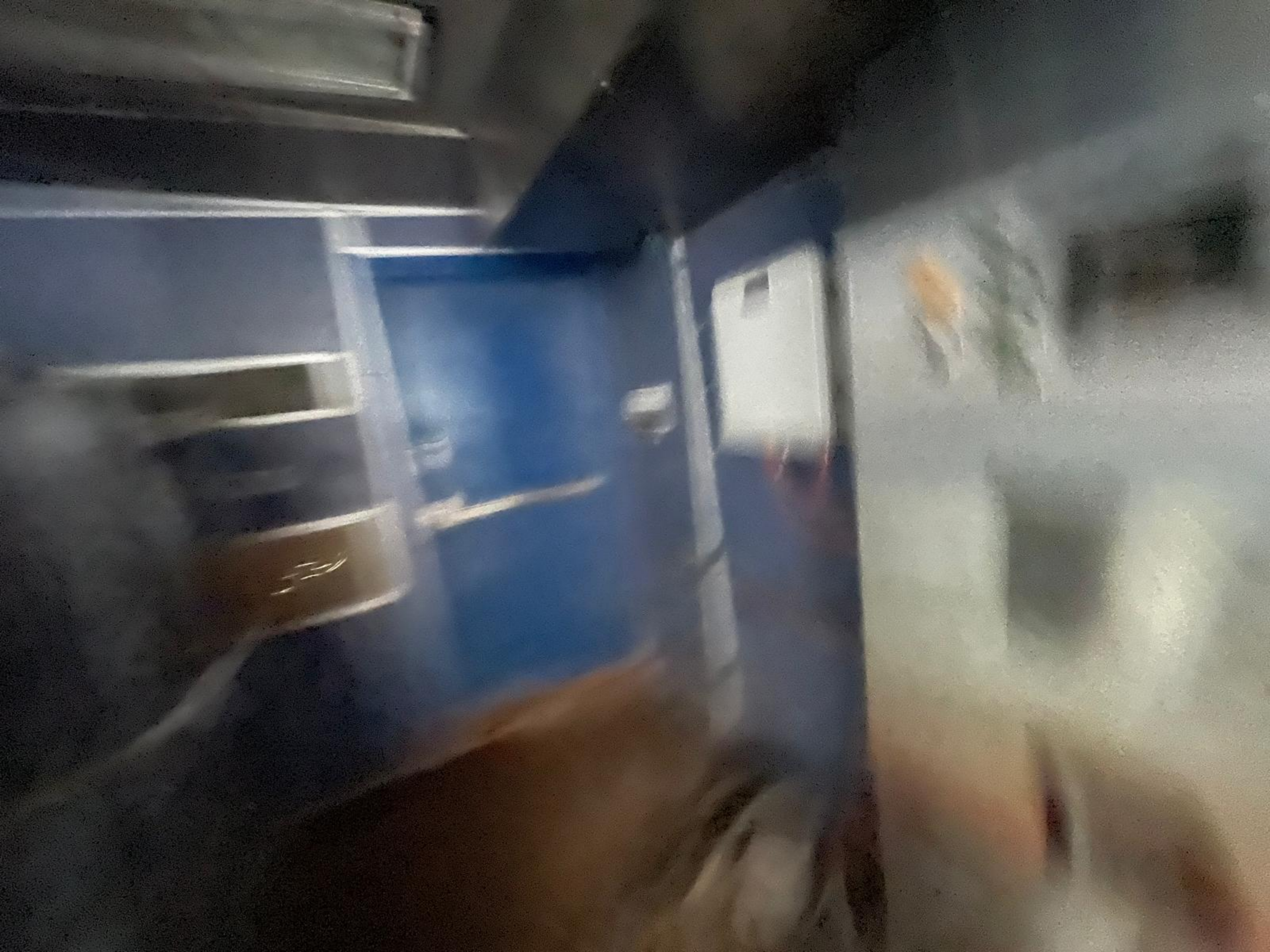
- MP #1 STROKES TOTALIZER (BEKA)
- MP #2 STROKES TOTALIZER (BEKA)
- MP1 SPM (Speed Per Minute)
- MP2 SPM (Speed Per Minute)

Right side of the dashboard featuring a control panel with a large lever and buttons:

- AUTODRILL
- BRAKE
- PARK / RESET
- MD Tolco logo
- Buttons: Esc, Tab, Ctrl, Alt, Del











Procedure Action
Set tool joint 24 inches above the rotary table
Install floor safety valves (in open position)
Close floor valves
Close HCR and choke valves (in open)
Close annular preventer - ONLY
Make up kelly
Open stand pipe valve
Open floor valve
Notify rig manager and company man
Record drill pipe, casing pressure and pit gain
Install warning signs on control panel and weight
indicator anytime runs are closed
Exit derrick
Go to pits to monitor fluid returns
Install floor safety valves
Help make up kelly
Open floor valve
Standby in floor for orders
Contact rig manager and company man as
directed by driller
Return to rig floor and standby for orders
Standby on floor for orders

Procedure Action
Pull kelly through rotary
Stop the pump
Close HCR and choke
Close annular preventer
Close choke
Notify rig manager and company man
Account for all measurements
Record pit gain, casing pressure
Go to pits to monitor fluid returns
Check degasser and gas power
Check and record mud weight
Go to annular and standby for orders
Contact rig manager and company man as
directed by driller
Standby on floor for orders

TDS-11SA Lubrication and Maintenance Guidelines

See Service Manual for More Detail

Grease Lubrication Schedule

Component	Frequency
Hydraulic Cylinders	Weekly
Control Valves	Weekly
Directional Control Valves	Weekly
Flow Control Valves	Weekly
Pressure Control Valves	Weekly
Relief Valves	Weekly
Check Valves	Weekly
Accumulators	Weekly
Hydraulic Pumps	Weekly
Hydraulic Motors	Weekly
Hydraulic Lines	Weekly
Hydraulic Connections	Weekly

Oil Lubrication Schedule

Component	Frequency
Hydraulic Pumps	Weekly
Hydraulic Motors	Weekly
Hydraulic Cylinders	Weekly
Control Valves	Weekly
Directional Control Valves	Weekly
Flow Control Valves	Weekly
Pressure Control Valves	Weekly
Relief Valves	Weekly
Check Valves	Weekly
Accumulators	Weekly
Hydraulic Lines	Weekly
Hydraulic Connections	Weekly

Recommended Lubricants

Component	Lubricant
Hydraulic Pumps	Hydraulic Oil
Hydraulic Motors	Hydraulic Oil
Hydraulic Cylinders	Hydraulic Oil
Control Valves	Hydraulic Oil
Directional Control Valves	Hydraulic Oil
Flow Control Valves	Hydraulic Oil
Pressure Control Valves	Hydraulic Oil
Relief Valves	Hydraulic Oil
Check Valves	Hydraulic Oil
Accumulators	Hydraulic Oil
Hydraulic Lines	Hydraulic Oil
Hydraulic Connections	Hydraulic Oil

General Condition Checks

- Check oil level in reservoir
- Check oil pressure
- Check oil temperature
- Check oil cleanliness
- Check oil viscosity
- Check oil color
- Check oil odor
- Check oil taste
- Check oil texture
- Check oil sound
- Check oil smell
- Check oil taste
- Check oil texture
- Check oil sound
- Check oil smell









NATIONAL OILWELL VARCO
SUGAR LAND, TEXAS U.S.A.

**BAYLOR
GENERATION
GROUP**

A.C. SYNCHRONOUS GENERATOR

MODEL SERIAL No.

PH HZ RPM FRAME

PF AMB °C VOLTS

CONT:KW KVA AMPS

INSULATION CLASS ARM. FIELD ENCLOSURE

TEMPERATURE RISE-ARM. °C FIELD °C

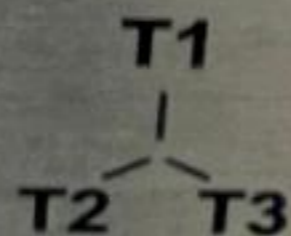
STANDBY:KW KVA AMPS

TEMPERATURE RISE-ARM. °C FIELD °C

EXCITER FLD. VOLTS SER. PAR. PMG-VOLTS

EXCITER FLD. AMPS SER. PAR. PMG-AMPS

PHASE SEQUENCE



COUNTERCLOCKWISE
ROTATION VIEWED
FROM OPPOSITE
DRIVE END



1

DANGER
HIGH VOLTAGE

**DO NOT
PRESSURE
WASH**

30271 2-3-2020 30220 hrs 557

CATERPILLAR®

2-3-20
TAPE inside 7-29-15









128

128

128





128

7-29-15 30327-3-20-30328

 **CATERPILLAR**®

SYNCHRONOUS AC GENERATOR

SERIAL NUMBER	CODE	MODEL NUMBER	WEIGHT
14179-01	6P6-3150	A270980001	

IMPORTANT WHEN ORDERING PARTS INCLUDE SERIAL AND TYPE NUMBERS

ALTERNATOR					EXCITER	
KVA CONT.	KW STANDBY	PH.	WIRE	HZ	FIELD AMPS	FIELD VOLTS
1204	-	3	4	60	4.9	100
KVA CONT.	KVA STANDBY	PF	RPM		PWG VOLTS	PWG
1720	-	0.7	1200			

VOLTAGE

347/600

AMPERES

1655

TEMPERATURE RISE	AMBIENT	INS. CL.
80 °C	40°C	F

MANKATO, MINNESOTA U.S.A. **Kato Engineering**

157-00103-04

GA
Drill

Make & Mo

Serial No. []

Asset No. []

BEARING LUBRICATION

REPLACEMENT BEARING IN BEARING HOUSING
APPROXIMATELY THE AMOUNT OF GREASE LISTED
BELOW AND AT INTERVALS SHOWN IS RECOMMENDED
FOUR OR MORE MONTHS WHICH ARE OBTAINED FIRST



128

CATERPILLAR



NATIONAL OILWELL VARCO
SUGAR LAND, TEXAS U.S.A.

**BAYLOR
GENERATION
GROUP**

A.C. SYNCHRONOUS GENERATOR

MODEL S637UUH-2001H SERIAL No. 70-65UU12323-1

PH 5 HZ 60 RPM 1200 FRAME 370

PF 0.7 AMB 50 °C VOLTS 600

CONT:KW 1225 KVA 1750 AMPS 1584

INSULATION CLASS ARM. F FIELD J ENCLOSURE FR-22

TEMPERATURE RISE-ARM. 80 °C FIELD 80 °C

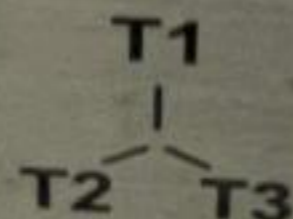
STANDBY:KW N/A KVA N/A AMPS N/A

TEMPERATURE RISE-ARM. N/A °C FIELD N/A °C

EXCITER FLD. VOLTS 74 SER. PAR. PMG-VOLTS

EXCITER FLD. AMPS 24 SER. PAR. PMG-AMPS

PHASE SEQUENCE



COUNTERCLOCKWISE
ROTATION VIEWED
FROM OPPOSITE
DRIVE END



82-12P

128



DANGER
HIGH VOLTAGE

3

**DO NOT
PRESSURE
WASH**

1993

DANGER
CORROSIVE LIQUID
DIESEL FUEL
NO DRINKING

12-21-17
7-29-15
Ran to inside

2-3-20

per copy per



29-15 2-3-2020 30174 hrs 30174

CATERPILLAR®



NO LOAD

NO LOAD

AED
Automated
External
Defibrillator
INSIDE

LOAD

1993

PERMIT REQUIRED
ENTRANCE TO
CONFINED SPACE
DO NOT ENTER

DANGER
COMBUSTIBLE LIQUID
DIESEL FUEL
NO SMOKING



1993

DO NOT STAND OR WALK ON TOP OF TANK

LIMIT READER COMPARED SPACE DO NOT ENTER

DANGER

CATERPILLAR

LOAD













T 16130

DESILTER 2802771

09/29/2008

DSL-20GG-4CTX

1425 LBS.

56" X 75" X 72"