



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
PRACTICUM STUDY GUIDE
MAINTAINER 4 MINI EXCAVATOR

REV. 10/25/21

PRE-TRIP INSPECTION:

NOTE: APPLICANT IS RESPONSIBLE TO BRING ALL PERSONAL PROTECTIVE EQUIPMENT TO THE PRACTICUM AND USE IT AS APPROPRIATE. SEATBELT MUST BE WORN AT ALL TIMES DURING OPERATION. WHENEVER LEAVING OPERATOR'S SEAT, MACHINE MUST BE SHUT OFF.

INSIDE:

- ☐ ACCIDENT REPORTING KIT
- ☐ TRAVEL ALARM
- ☐ CHECK PEDALS AND JOYSTICK/CONTROLS FOR FREEDOM OF MOVEMENT
- ☐ CLEAN OPERATOR'S STATION
- ☐ FIRST-AID KIT
- ☐ FUEL LEVEL
- ☐ GAUGES: ENGINE OFF
- ☐ GAUGES: ENGINE ON
- ☐ HEADLIGHTS: HI/LOW
- ☐ HEATER/DEFROSTER
- ☐ HORN
- ☐ MIRRORS
- ☐ OPERATOR'S MANUAL
- ☐ PM STICKER
- ☐ ROLLOVER PROTECTION SYSTEM
- ☐ SEATBELT
- ☐ STROBES
- ☐ WINDSHIELD WIPERS, WASHER FLUID
- ☐ WORK LIGHTS

OUTSIDE:

- ☐ AIR CLEANER
- ☐ LOADER SHEET METAL
HARDWARE: LOOSE, BENT, BROKEN OR MISSING PARTS
- ☐ BUCKET ATTACH: LOCKING PIN, RETAINING PIN, HYDRAULIC COUPLINGS / LINKAGES
- ☐ PIVOT PINS
- ☐ BELTS

OUTSIDE (CONT.):

- ☐ CBYD 7 COLORS
- ☐ CHECK FOR GREASE — ALL LOCATIONS
- ☐ COOLANT LEVEL AT OVERFLOW BOTTLE
- ☐ DECALS AND WARNING LABELS
- ☐ DOORS/LATCH
- ☐ ELECTRICAL SYSTEM — CHECK FOR WORN/FRAYED WIRES OR CORRODED CONNECTIONS
- ☐ ENGINE OIL LEVEL
- ☐ EXHAUST SYSTEM
- ☐ FAN BLADES
- ☐ FRONT BLADE CONDITION: INCL. BLADE/BOLTS
- ☐ FRONT BLADE PINS
- ☐ FUEL FILL
- ☐ GLASS
- ☐ GREASE LINES
- ☐ HYDRAULIC CYLINDERS
- ☐ HYDRAULIC HOSES
- ☐ HYDRAULIC LOCK (IF EQUIPPED)
- ☐ HYDRAULIC OIL LEVEL
- ☐ HYDRAULIC SYSTEM — CK FOR LEAKS, LOOSE OR MISSING CLAMPS, KINKED HOSES, LINES OR HOSES THAT RUB AGAINST EACH OTHER OR OTHER PARTS
- ☐ LADDERS/HAND HOLDS
- ☐ LUBRICATION: CHECK POINTS/FREQ. ON PERIOD MAINTENANCE CHART
- ☐ PRE-CLEANER
- ☐ PROTECTIVE COVERS, GUARDS, SHIELDS
- ☐ RADIATOR FINS/GRILL
- ☐ BUCKET CONDITION: BLADE OR TEETH & HOOK

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Continued...

1. PROPER PPE AT ALL TIMES
2. PERFORM A WALK/TALK PRE-TRIP INSPECTION (20 MINS MAX)
3. CBYD AWARENESS (5 MINS MAX)
4. CHANGE ATTACHMENTS (10 MINS MAX)
5. DIG A 15'L X 3'W X 3'D TRENCH, LOADING SPOILAGE
ONTO A TRUCK AND STOCKPILING REMAINING MATERIAL (20 MINS MAX)
6. RIG, SET AND REMOVE RCP PIPE IN TRENCH (10 MINS MAX)
7. FILL AND ROUGH GRADE THE TRENCH USING BUCKET AND BLADE (15 MINS
MAX)