



MELLOTT MFG. CO. INC.		
SCALE: NTS	APPROVED BY	DRAWN BY DCM
DATE: 3/12/90		
ITEM 130 LOG TROUGH		
installation		

INSTALLATION

Check for damage to hoses, wiring, cylinders, etc., that may have occurred during shipment. Before installation and start-up, go over entire machine and check for loose bolts, fittings, etc. Log trough should be secured to foundation of appropriate design for this type of equipment.

Hydraulics: (for units with hydraulic drive, jack, clamp, or hydraulic kickoff)

Control valve stand should be secured in its position. Connect hoses to work ports of valve and to corresponding cylinders of motors. Connect hydraulic power source to valve and make certain that return line is connected from valve to hydraulic oil tank. On units equipped with #112-1006-004 motor, drain line from hydraulic motor is to be connected to tank.

Air: (for units with automatic air kickoff)

Connect air supply to filter-regulator-lubricator on trough. Air pressure should be set at 100 psi on regulator.

Electrical: (for units with electric drive and/or automatic air kickoffs)

A qualified electrician should make connections from electric motor to starter. (Starters are not provided by Mellott Manufacturing and are the responsibility of the purchaser).

Connect 110V current to control box for units equipped with automatic air kickoffs.

Hydraulic Operation:

Each spool on the hydraulic control valve is marked with the function it performs. Pushing or pulling the handles causes the drive motor to run (forward or reverse) or any one of the cylinders to extend or retract. When valve handles are in the center position, the valve is neutral.

CAUTION

Do Not permit personnel to stand close to kickoff arms or in trough while hydraulic power source is in operation. Should any maintenance be needed, shut off power source and do not "start" until maintenance personnel are clear of machinery.

Electric Eye Operation: (for units with automatic air kickoff)

Log is conveyed by chain. As log passes through the beam of light, it causes the beam to be broken and activates the circuit to the air valve which controls the air cylinder. Air cylinder is now able to operate kickoff arms, push log from chain and over side of trough.

Master On/Off switch must be in the "On" position and selector switch must be in the "On" position before the electric eye is functional.

Note: Opcon electric eyes emit an infrared beam which is not visible. Autotron controls will emit a visible light beam.

CAUTION

Do Not permit personnel to stand close to kickoff arms or permit personnel to stand in trough when electric eye is functional. Should any maintenance be needed, shut system off and do not allow it to be switched "On" until maintenance personnel are clear of machinery.

Lubrication and Maintenance Schedule:

Every month -

Lubricate drive shaft bearings, Ref. No. 6; clamp bearings, No. 6; kickoff arm bearings, No. 6 and No. 12; and take up sprocket bearings, No. 21.

Once a year -

Add a small amount of lubricant to electric motor bearings.

Once a year - (Hydraulic Power Source)

Drain oil, remove filter inside tank and wash in solvent or diesel fuel.

Replace filter and fill tank with non-foaming hydraulic oil SAE 10.

CAUTION

Use only clean oil - do not permit dirt to enter tank or use dirty containers to handle oil.

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