

OPERATING & MAINTENANCE INSTRUCTIONS FOR THE LIFTOMATIC MODEL DU-SOM DRUM HANDLER

Operating Instructions

A) To operate the Liftomatic DU-SOM unit, simply slide the forks of the lift-truck into the fork pockets of the attachment. The safety chain should be attached to the lift-truck prior to using the attachment(s). If units are equipped with Liftomatic's exclusive Quick-Claw? safety restraint system, slide your forks into the fork pockets and pick the unit off the ground to secure the attachment to the lift-truck.

B) Position engagement/disengagement chain over the mast and near the operator's controls where they are accessible by the operator.

To operate the DU-SOM unit, proceed as follows:

FIGURE 1 (see attached)

- 1) If the unit is engaged in the horizontal position with tines extended, (and the drum you are approaching is also in the horizontal position), you need only to approach the drum with the longer underside tines positioned to the bottom of the drum and the shorter upper tines positioned to the upper outer curvature of the drum. Move truck forward until main frame of the unit contacts the drum (so the tines are fully extended over the drum). Raise the unit slightly to engage the drum and ensure that the carriage of the truck is adjusted so the drum sits parallel to the floor or is tilted slightly "back" toward the operator.
- 2) Transport the drum to a desired position on the floor for upending. Begin by placing the drum completely on the ground. When the drum is resting, pull steadily on the release chain to disengage the swinging mast (the front of the unit with the tines) from the main fork mounting. **** Ensure that personnel are well away from the drum during the upending procedure**** Begin raising the carriage of the truck slowly while moving the truck forward incrementally at the same time. As the drum reaches its center of gravity (at roughly 55-60 degrees depending on the weight and distribution of product in the drum) on the uplift, it will be automatically upended into the vertical position, placing the swinging mast into a vertical position (Figure #2).

Model DU-SOM Operating Instructions, Cont'd.

- 3) To position a drum from vertical to horizontal, simply reverse this procedure. Lower the tines over the drum completely, and begin backing away with the lift truck while lowering the carriage of the lift truck. As the drum is placed completely in the horizontal position, ensure that it is lowered all the way to re-engage the spring mechanism, which locks the swinging mast in the horizontal position.

**** NOTE:** If the drum you are planning to engage is in the horizontal position and the unit is adjusted to the vertical (swinging mast down) position, (or vice-versa) simply move a safe distance from the drum, lower the unit as you would when lowering a drum and follow the procedure to lock the swing mast into the desired position.

Maintenance Instructions

1. On a daily basis, each operator should check the Liftomatic DU-SOM attachment to verify all fasteners, chains,(cotter pins, snap rings, hairpin clips, etc.)are in place. Also, a spot-check to be sure the unit does not have any missing or broken parts (pins, springs, fasteners, etc.) should be performed.
2. Liftomatic attachments are completely mechanical, and require **LUBRICATION ON A WEEKLY BASIS**. Standard WD-40 or light grade oil are recommended. Spray down the locking spring assembly and chain connector for smooth operation.

Liftomatic drum handling attachments do require periodic preventative maintenance. The above schedule should be followed as indicated for the equipment to perform at its fullest potential. A preventative maintenance program will allow your Liftomatic drum handling attachment(s) to lead a long and productive life, ensuring high levels of safety and productivity in your entire drum handling routines. Please consult your nearest Liftomatic office or representative to establish your preventative maintenance program today. We look forward to your call.

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