

Machine first start-up certificate

Automatic bale wrapper Z629

The new baler is started by an authorised representative of the distributor or the manufacturer, in the presence of the user (operator).

SCOPE OF ACTIVITIES AND RESPONSIBILITIES OF THE SERVICE TECHNICIAN/MECHANIC

- 1 Activities to check that the bale wrapper is working properly
 - 1.1 Checking the completeness and technical condition of the bale wrapper.
 - 1.2 Checking the lighting system (if any).
 - 1.3 Checking the operation of the electrical system:
 - connect the power chord to the tractor socket,
 - check for the completeness of the fuses on the supply harness,
 - connect the communication cable with the control panel,
 - switch on the control panel, check that the panel is communicating correctly with the controller.
 - check the operation of the buffer limit switch by manually actuating the buffer,
 - check the operation of the safety switch
 - 1.4 Checking the hydraulic system:
 - identify the tractor's hydraulic supply and return connections. Check for the possibility of connecting the T line of the wrapper to the free drain of the tractor,
 - connect the hydraulic hoses of the wrapper to the tractor, determine the correct direction of the oil flow,
 - check the operation of arms with rotating rollers – loading and unloading,
 - check the operation of the film cutter – opening and closing,
 - check the operation of the wrapping arm at slow and fast speeds, check the revolutions count sensor,
 - check the extension and retraction of the bale tipper.
 - 1.5 Checking the chain tension on the film feeder chain transmission.
 - 1.6 Executing of an automatic wrapping cycle with bale and film: loading, wrapping, unloading, unloading with tipper (if equipped).
 - 1.7 Adjustment of components (if required):
 - top clamp of the film roll – height and alignment with the bottom one,
 - closing speed of the film cutter,
 - opening pressure of the bale tipper sequential valve,
 - set the height of the bale lift on the fender screws,
 - adjust the supply parameters of the tractor (if possible, adjust the volume flow of the hydraulic oil using a cone or turbine flow meter).

- 2 Activities related to the user (operator) training in the correct use of the bale wrapper:
 - 2.1 Training the user on connecting the wrapper to the tractor:
 - secure connection to the tractor's three-point linkage,
 - tilt adjustment of the wrapper on the three-point linkage using drum supports,
 - connection to the tractor's electrical system,
 - correct and safe connection to the tractor's hydraulic system – first the T (-) drain line, then the P (+) supply line.
 - 2.2 Familiarise the user with the construction and principle of operation of the loading and unloading system – arms with rollers turning the bale and the bale tipper:
 - moving the arms with the buttons on the control panel,
 - moving the bale tipper,
 - maximum load height adjustment,
 - control of loading time on the control panel,
 - pressure control on the bale tipper sequential valve.
 - 2.3 Familiarise the user with the construction and working principle of the wrapping system – wrapping arm and rollers turning the bale:
 - transport locking device of the wrapping arm – transport and working position,
 - moving the wrapping arm with the buttons on the control panel,
 - adjusting the speed of the free arm rotation on a valve in the wrapper's hydraulic distributor,
 - adjustment of the arm stop position on the RPM count sensor activator,
 - adjusting the tension of the roller drive chains,
 - arm motor overcenter valve adjustment – overload and blocking valve.
 - 2.4 Familiarise the user with the construction and principle of operation of the hydraulic film cutter:
 - principles for the safe operation of the cutter,
 - opening and closing of the cutter with the buttons on the control panel,
 - the way the film is hooked onto the cutter,
 - adjustment of the closing speed of the cutter with a non-return throttle valve,
 - adjusting the clamping force on the cutter cylinder eye,
 - adjusting the position of the cutting blade.
 - 2.5 Familiarise the user with the operation of the film feeder:
 - principles for the safe operation of the feeder,
 - locking the feeder in the operating position,
 - the way the film roll is inserted and pulled between the tension rollers,
 - adjustment of the upper film clamp,
 - unlocking to operating position,
 - adjusting the tension of the tension roller chain.

- 2.6 Familiarise the user with the operation of the desktop and the operation of A1 and A2 in automatic mode:
- explaining all the functions of the control panel,
 - automatic loading performed by the user,
 - wrapping in automatic mode A1 and A2 performed by the user,
 - carrying out the unloading with and without bale tipper (if fitted).
- 2.7 Familiarise the user with the procedure for detaching the wrapper from the tractor and safe storage:
- wrapper working elements in storage position – arms with rollers pulled down, wrapping arm under the wrapping module support secured with transport lock, cutter closed, tipper in folded position,
 - placing the wrapper on a level, horizontal and firm surface, drum supports positioned under the drums,
 - lowering the wrapper onto the tractor's three-point linkage so that the drums rest on the supports and the running roller or skids rest on the ground,
 - shutting down the tractor, relieving the pressure in the power hydraulic system, securing the tractor against accidental movement,
 - disconnecting the electrical supply system, securing the cables and panel in the box at the wrapper,
 - disconnect the hydraulic connections for supply P (+) and then drain T (-) and hang the hydraulic connections on a hanger on the wrapper frame,
 - uncoupling the upper link of the three-point linkage, unlocking the ball retainers of the lower link,
 - unlocking the lower beam hooks, lowering the lower T-bar and driving away from the wrapper,
 - it is advisable to store the wrapper under cover or shelter, protected from weather conditions and aggressive chemicals, without obstructing traffic routes and fire roads,
 - it is advisable to press the safety button, keep the panel in a dry and safe place.
- 2.8 Explain lubrication and regular maintenance of moving parts.
- 2.9 Clear any doubts and answer questions the user may have.