

⚠ WARNING: In order to avoid any damage (to people, property, etc.), read the machine's Use and Maintenance Manual BEFORE starting to use the machine, comply with the safety standards and apply the safety standards as indicated in the Manual.

PRELIMINARY CHECKS (at the beginning of every workshift):

BEFORE starting the machine CHECK all the levels (fuel, water, oil, etc...) and make sure that there is NO leakage in the systems; check the tires (pressure, wear, etc...); check the waste container, hatches and all the components, making sure that they are all in rest position and fastened correctly. AFTER starting the machine CHECK the correct functioning of all the lights, horn and brakes.

START

- Make sure that the parking brake (1) is engaged and that the gear shift lever (2D) or (2S) is in the central position (idle gear).
- Insert the ignition key (3) and turn it to the first click "on".
- After having performed an initial check on the warning lights for about three seconds, the lights will stay on and the will flash.
- Turn the key all the way and then release it when the engine has started.
- When the engine is running, make sure that the signal lights , and has turned off.

TRAVEL

- Lift the central brush, the lateral brushes and the 3rd brush (OPT) using the relevant controls and lock them.
- Position the (2D) or (2S) gear shift lever according to your desired direction of travel, forward or reverse; the relative or light will light up on the steering wheel column (for right hand drive only).
- Disengage the parking brake(1); make sure that the switch (4) is disconnected.
- Put the machine in motion and regulate the speed with the pedal (5).

SWEEPING

- Remove the safety devices applied to the lateral brushes and to the 3rd brush (OPT).
- Turn on the flashing lights using the switch (6).
- Push the switch (4) to pre-arrange the machine for the working phase.
- Engine revs. can be modified by operating on the manual accelerator (7).
- By pressing the switch (8), with work phase button (4) activated and no other control enabled, the following are activated automatically: descent and rotation of the lateral brushes and central brush and start-up of the vacuum and conveyor.
- Check that the brush pressure on the ground is correct using the work function panel (9).
- If the 3rd brush (OPT) is installed, use the relative controls (10), (11), (12) and joysticks (13) and (14).
- Adjust the speed of the lateral brushes and the 3rd brush using the knob (15); the rotation speed is displayed on the panel (9).
- If necessary, spray water on the side lateral using the buttons (16) and (17); the quantity of water is displayed on the panel (9).
- If necessary, send water to the front watering bar (OPT) by pressing the button (18).
- If necessary, turn on work lights by pressing the button (19).
- Select the most appropriate vehicle speed with the pedal (5).

If the conveyor jams, a buzzer warns the operator. Conveyor jamming is indicated by an increase in pressure on the pressure gauge (20). In order to restore normal functioning proceed as follows:

- Stop machine advancement.
- Reverse conveyor drive rotation by holding the button (21) up until unlocked.
- Reverse and check if some bulky fragment is blocking the conveyor; if necessary, remove it.
- Press the button (21) in position to lower the central brush and restart the conveyor; resume cleaning operations moving slowly forward.

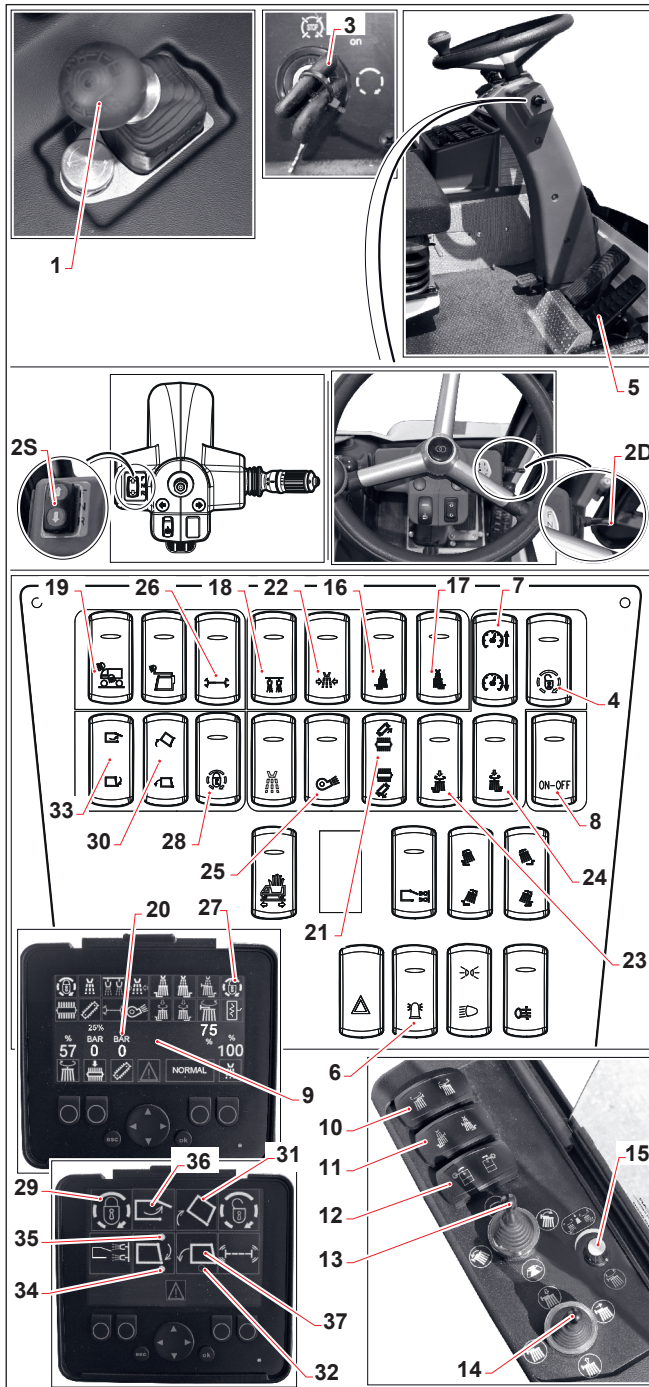
END OF SWEEPING

- Stop the water flow to the spray bar (OPT) by turning off the buttons (22) and (18).
- Stop water spray to the lateral brushes by turning off buttons (16) and (17) and to the 3rd brush by turning off button (11).
- Lift and stop lateral brush rotation (buttons 23 and 24) and 3rd brush rotation (OPT) (button 10); to retract the 3rd brush (OPT) use the button (12).
- Continue for about 10 meters with the central brush only to collect the waste still present in front of the brush itself.
- Lift and stop rotation of the central brush and the conveyor via the button (21) pushing up.
- Stop the dust vacuum (25) and start the filter shaker for about 10 seconds by pressing the button (26).
- Press the switch (4) to return engine regime to minimum; light (27) turns off.
- Turn on the work lights and flashing lights using buttons (19) and (6).

DISCHARGING THE WASTE CONTAINER

With the container in the lifted/tilted position, only make small manoeuvre movements at a maximum speed of 3 km/h (2 mph). This operation must be carried out with great caution and with the machine on a leveled surface. While the container is being unloaded, always make sure that there is no one close to the machine, otherwise interrupt the operation.

- Apply the parking brake (1) and put the (2D) or (2S) gear shift lever in neutral.
- Press the button (28); the indicator (29) lights up in green.
- Tip the container holding the button (30) up until fully tipped; the green light (31) lights up on the display.
- As soon as the container starts lifting, the indicator on the dashboard lights up and the Led (32) lights up in red.
- Release and open the unloading door by keeping button (33) pressed towards : the button lights up in green until it is kept pressed, the hooks open and the Led (34) lights up in red; the door starts opening and the Led (35) lights up in red.



- On the command dashboard, the indicator (36) lights up in red.
- Move the container back into horizontal position by pressing the button (30) on , the indicator (37) lights up in green and remains lighted until the button (30) is kept pressed. When the container has completely lowered, the Led (32) lights up in green, the indicator (36) on the command dashboard switches off.
- Close the door by pressing button (33) in position ; the button lights up green and remains lighted until the button is kept pressed.
- When the door is completely closed, the Led (35) lights up green and also the led (34) lights up green at correct closing of the hooks.
- Indicator on the command dashboard switches off.
- Exit the discharge phase by pressing the button (28); the discharge display goes back to the main page.

MACHINE STOP

- Engage the parking brake (1); disengage the gear and ensure that the engine is just ticking over.
- Turn the starting key (3) in "0" position and then remove it.

STEERING WHEEL COLUMN SIGNAL LEDS (2D - 2S)

- Left blinker signal light
- Right blinker signal light
- Forward motion signal light
- Reverse motion signal light

DASHBOARD SIGNAL LEDS (4)

- Battery recharging failure signal light (red)
- Hydraulic oil level signal light (red)
- Hydraulic oil filter signal light (red)
- Front axle pressure signal light (red)
- Rear axle pressure signal light (red)
- Braking system anomaly signal light (red)
- Parking brake signal light (red)
- Diesel engine anomaly signal light (yellow) (EURO6)
- Not used
- Clogged engine air filter signal light (red)
- Engine coolant level signal light (yellow) (OPT)
- Glow-plugs warming up signal light (yellow)
- Insufficient pressure of engine oil signal light (red)

- Unloading hatch open signal light (red)
- Container raised signal light (red)
- Gate closed signal light (red) (OPT)
- Container level signal light (yellow) (OPT)
- Water inside the gas oil filter signal light (yellow) (EU4 OPT)
- Hydraulic oil high temperature level LED (red)
- Lack of water signal light (yellow)
- Not used
- Parking lights and dipped lights signal light (green)
- Full headlights signal light (blue)
- Equipment anomaly LED (yellow) (EURO6)
- Not used

MULTI-FUNCTION DISPLAY SIGNAL ICONS (4A)

- Engine anomaly (yellow)
- Engine anomaly (red); turn the engine off and contact the After-sales service
- Critical alarm due to no AD Blue or anomaly of the injection or supply system
- Particle filter clogged: it must be regenerated

INSTRUMENTS AND CONTROLS

- 1D) Gear selector for right hand drive
- 1S) Gear selector for left hand drive
- 2D) Steering column dashboard (For right hand drive)
- 2S) Steering column dashboard (For left hand drive)
- 3D) Lights, horn, direction indicators and windscreen wipers switch lever (For right hand drive)
- 3S) Lights, horn, direction indicators and windscreen wipers switch lever (For left hand drive)
- 4) Indicators and signal lights dashboard
- 5) Control switches dashboard
- 6) Work functions panel
- 7) Cab air conditioning controls (opt)
- 8) Parking brake
- 9) Steering column adjustment pedal
- 10) Service brake control pedal
- 11) Motion control pedal
- 12) Battery security lever
- 13) Car radio (OPT)
- 14) Camera monitor for back-up
- 15) 12V socket
- 16) Courtesy lamp
- 17) Regeneration button (EURO6)
- 18) Engine diagnostic socket

CONTROL SWITCHES DASHBOARD (5)

- 30) Working lights switch
- 31) Moveable washing arm light switch
- 32) Filter shaking device
- 33) Front spray bar (OPT)
- 34) High pressure water pump switch (OPT)
- 35) Water supply to left side brush switch
- 36) Water supply to right side brush switch
- 37) Manual accelerator
- 38) Work / transfer phase button
- 39) Waste unloading hatch switch
- 40) Container ascent/descent switch
- 41) Waste dumping phase enabling switch
- 42) Well vacuum switch
- 43) Dust suction unit control switch
- 44) Main brush and conveyor switch
- 45) Left brush button
- 46) Right brush button
- 47) ON-OFF Pause work function switch (EURO6)
- 48) Engine stop bypass (OPT)
- 49) Door dust reduction (OPT)
- 50) Left brush tilt actuator (OPT)
- 51) Right brush tilt actuator (OPT)
- 52) Emergency lights switch
- 53) Rotating beacons switch
- 54) Running lights / low beam headlight switch

- 55) Fog lamp switch
- 56) Engine emergency stop push-button
- 57) Starting key

WORK FUNCTIONS PANEL (6)

- 70) Work functions
- 71) % lateral rotation adjustment
- 72) Central brush pressure regulation
- 73) Multi-function button
- 74) "Esc" button
- 75) "OK" button
- 76) Conveyor pressure
- 77) Alarms
- 78) Vacuum mode
- 79) % utility water adjustment
- 80) Enabled radio
- 81) Unloading phase status
- 82) Container lifting control status
- 83) Container lowering control status
- 84) Waste unloading door opening command status
- 85) Waste unloading door closing control status
- 86) Work phase status
- 87) Filter shaking device control status
- 88) Door dust reduction control status (OPT)

3RD BRUSH CONTROL PANEL (OPT) (ON DOOR) (100)

- 101) 3rd brush rotation button
- 102) Water spray button
- 103) Extend button
- 104) Inclination joystick
- 105) Motion joystick
- 106) Brush speed adjustment
- 107) Main brush extra pressure push-button

DISCHARGE HATCH PORTABLE PUSH BUTTON PANEL (OPT) (120)

- 121) Unloading phase STOP button
- 122) Unloading phase on LED
- 123) Synchronisation phase LED
- 124) Open hatch button
- 125) Container lift button
- 126) Two-handed safety button
- 127) Vehicle push button panel synchronisation button
- 128) Container descent button
- 129) Close hatch button
- 130) Battery charge level LED

