DV23
DV26
Vibratory Roller

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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Initial 50 hours

Engine oil and filter (Initial) 7-23

Every 50 hours or weekly

Brakes 7-25
Air filter vacuum valve 7-26
Seat switch and emergency stop 7-27

Every 100 hours or monthly

Steering cylinder 7-28

Initial 250 hours

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Initial 500 hours

Ventilation filter for the hydraulic oil tank 7-31
Hydraulic oil and filter 7-32

Every 500 hours of operation or every 6 months

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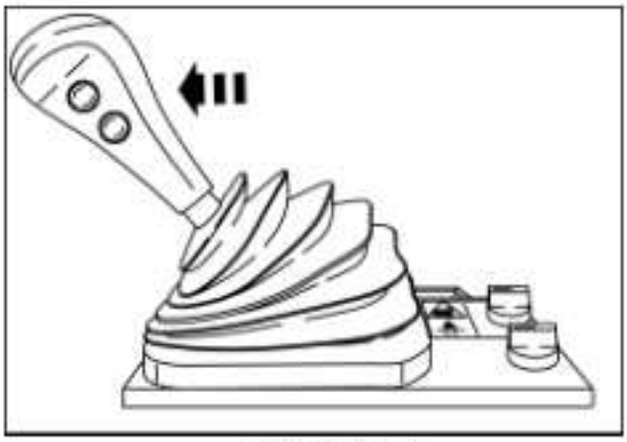
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Right-hand side controls

Travel control lever

To drive forward:

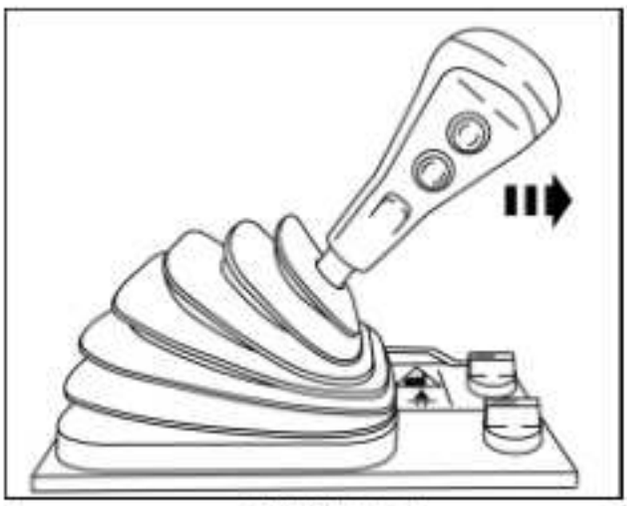
Slowly push the travel control lever forward to move the machine forward.



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To drive in reverse:

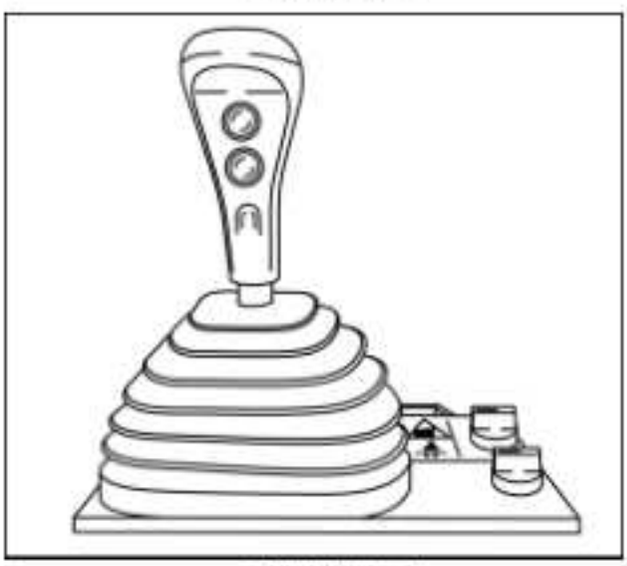
Slowly pull the travel control lever backward to move the machine in reverse.



RAL15COM3068AA 2

To slow the machine down from forward or backward movement:

Slowly move the travel control lever into the NEUTRAL position. The machine will hydrostatically brake automatically.



RAL15COM3069AA 3

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Maintenance planning

Maintenance chart

Maintenance action	Check	Replace	Test	Grease	Filling	Drain fluid	Cleaning	Page no.
Every 10 hours of operation or daily								
Fuel level - Check	x							7-11
Engine oil level - Check	x							7-12
Hydraulic oil level - Check	x							7-13
Engine coolant level - Check	x							7-15
Sprinkler system - Check	x							7-16
Roller drum scrapers - Check	x							7-17
Air intake - Check	x							7-18
Fuel filter water separator - Check	x							7-19
Air filter service indicator	x							7-20
Battery charge - Check	x							7-21
Water level indicator	x							7-22
Initial 50 hours								
Engine oil and filter (Initial)		x						7-23
Every 50 hours or weekly								
Brakes			x					7-25
Air filter vacuum valve	x							7-26
Seat switch and emergency stop			x					7-27
Every 100 hours or monthly								
Steering cylinder				x				7-28
Initial 250 hours								
Engine oil and filter (Initial)		x						7-23
Initial 500 hours								
Ventilation filter for the hydraulic oil tank		x						7-31
Hydraulic oil and filter		x						7-32
Every 500 hours of operation or every 6 months								
Fuel filter		x						7-36
Clean the fuel filter water separator					x			7-38
Engine air filter - Replace		x						7-39
Engine oil and filter		x						7-41
Every 1000 hours or annually								
Ventilation filter for the hydraulic oil tank		x						7-31
Hydraulic oil and filter		x						7-32
Fuel tank sediment						x		7-48
Articulated joint pivot	x							7-49
Pendulum joint	x							7-50
As required								
Fuel tank						x		7-51
Hydraulic oil and filter		x						7-32
Hydraulic oil cooler					x			7-56
Radiator					x			7-57
Cleaning the machine					x			7-58
Battery		x						7-59
Articulated joint pivot	x							7-49
Pendulum joint	x							7-50
Front work lights and parking lights (optional)		x						7-64
Turn signal and flasher bulb (optional)		x						7-65

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9 - SPECIFICATIONS

General specifications

DV23

DV23 Specifications	
Operating weight	**2250 kg (4960 lb)**
Maximum weight	**2450 kg (5401 lb)**
Static linear load	**361.51 N/mm (63.30 lbf/in)**
Inside turning radius	**2350 mm (92.52 in)**
Amplitude	**0.420 mm (0.017 in)**
Maximum compaction force per roller drum	**41 kN**
Gradient with and/or without vibration	**30 % / 40 %**
Engine	YANMAR 3TNV88 — EPA Tier 4 Interim
Performance — **2100 RPM / 2400 RPM**	**19.1 kW (26.0 Hp) / 22.5 kW (30.6 Hp)**
Operating speed	**2100 RPM / 2400 RPM**
Travel speed	**0.0 - 10.0 km/h (0.0 - 6.2 mph)**
Steering angle / pivoting	**+/- 32 ° / +/- 8 °**
Vibration frequency **2100 RPM / 2400 RPM**	**58 Hz / 66 Hz**

DV26

DV26 Specifications	
Operating weight	**2460 kg (5423 lb)**
Maximum service weight	**2650 kg (5842 lb)**
Static linear load	**329.53 N/mm (57.70 lbf/in)**
Inside turning radius	**2250 mm (88.58 in)**
Amplitude	**0.420 mm (0.017 in)**
Maximum compaction force per roller drum	**47 kN**
Gradient with and/or without vibration.	**30 % / 40 %**
Engine	YANMAR 3TNV88— EPA Tier 4 interim
Performance — **2100 RPM / 2400 RPM**	**19.1 kW (26.0 Hp) / 22.5 kW (30.6 Hp)**
Operating speed	**2100 RPM / 2400 RPM**
Travel speed	**0.0 - 10.0 km/h (0.0 - 6.2 mph)**
Steering angle / pivoting	**+/- 32 ° / +/- 8 °**
Vibration frequency **2100 RPM / 2400 RPM**	**58 Hz / 66 Hz**

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DANGER
Explosion hazard
Read the procedure in the Operator's Manual before jump start or service the machine to avoid injury. Failure to comply will result in death or serious injury.

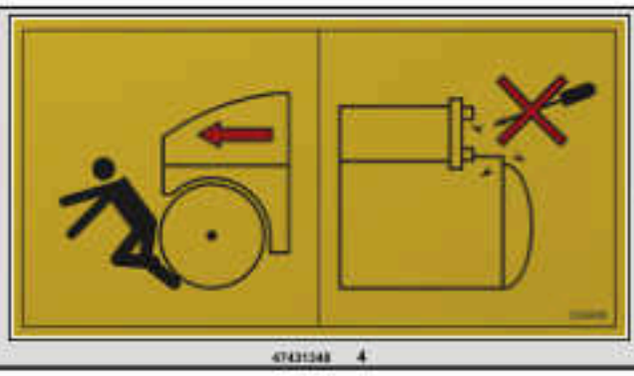
Quantity: 1
47437573



(1) Location:
On the front frame on the right-hand side under the battery.

WARNING
Run over hazard
Starting in gear could cause death. Start the engine from the operator seat only with the transmission control(s) in neutral. Failure to comply could result in death or serious injury.

Quantity: 1
47431348



(2) Location:
On the side of the frame in the area of the starter.

WARNING
Welding hazard
Read Operator's Manual before welding on the machine. Disconnect the alternator before welding on the machine. Failure to comply could result in death or serious injury.

Quantity: 1
47437574



(3) Location:
On the steering column

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