snorkel

SR9244
SR1054



OPERATOR'S and MAINTENANCE MANUAL

Deutz Stage 5
Serial number FR04006937 and after
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2.4 GENERAL REGULATIONS FOR USE



When transporting a load, keep the accessory at a maximum height of 300 mm from the ground.
Where possible avoid winding roads, otherwise, move cautiously and very slowly.
Respect the limits imposed by the load diagram referred to the accessory being used. If a different accessory from that delivered with the machine is purchased at a later time, please contact the Manufacturer to obtain the correct load diagram.
If the material to be moved is on a supporting base, before lifting it with the material, ensure that it is in good condition and can withstand the weight to be lifted.

Never lift a strapped load with the forks; use the specific accessory. The edges of the forks could in fact cut the lifting cables due to the weight, thereby causing the loss of material. In any case, never lift a load with only one arm of the fork.
When transporting a suspended load from a rope, do not allow it to swing excessively, otherwise, stop immediately and wait for the load to stabilise before proceeding.

When transporting a load with a mobile centre of gravity, such as a liquid, avoid sudden acceleration and braking. Be very careful when the route has a slight gradient.
Immediately after use, place the accessory in a horizontal position and if it seems unstable, prop it with suitable and safe supports to make it stable.
It is forbidden to operate the machine under the influence of alcohol and/or drugs and/or medicine, which alters the physical and mental condition.

2.5 WORKING ON SITE



Operate in good physical and mental conditions.
It is forbidden to operate the machine under the influence of alcohol and/or drugs.
It is mandatory to wear a safety belt.
You must wear ear plugs or hearing protection headphones in case of excessive noise. A safety helmet must be worn in case of the risk of objects falling from above, even if the machine's driver cabin is designed to protect against such a risk.
Keep the machine as far as possible from the edges of excavations or the road and always examine the conformation and the condition of the work area in relation to the dimensions of the machine in the various configurations.
Identify the best route toward the work area.
Ground capacity characteristics:

- Turned soils, soft ground, land filled ground — 0-1 kg/cm^2
- Average particle size sand — 2-2.5 kg/cm^2
- Gravel — 3-4 kg/cm^2
- Clay soil — 2-4 kg/cm^2
- Rocky ground — 10-15 kg/cm^2

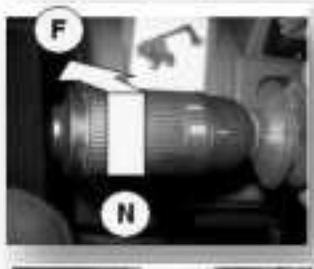
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3.1 DESCRIPTION OF THE CONTROLS

3.1.1 CONTROL LEVERS ON THE STEERING COLUMN

3.1.1.1 LEFT LEVER OF THE STEERING WHEEL (STALK)

Lever operation is only enabled if you have selected from the display to use the FNR function from the lever and not from the joystick.
To enable the forward drive of the machine (F), pull the lever towards the steering wheel and move it forward. The letter "F" will appear on the display on the front right dashboard.



To enable the reverse drive of the machine (R), pull the lever towards the steering wheel and move it back. The letter "R" will appear on the display on the front right dashboard.
Enable the neutral gear (N) by moving the lever to the central position.
The lever controls do not operate when:

- the parking brake is engaged
- the operator is not sitting in the driver's seat.
- The outriggers are complete extended (if not completely lifted, a message appears on the display).



For the function of the button located at the top of the lever, see the "Levelling the Machine" paragraph*.

In the guide below the left lever of the steering wheel is referred to as the "stalk".



The lever can be used solely if the steering mode is with the front wheels only It is dangerous to change the driving direction when the machine is moving at high speed; the machine suddenly inverts the driving direction; before changing direction, allow the machine to reduce speed to a minimum. When reverse drive is selected an acoustic signal will sound to indicate the risk of danger to any people in the maneuvering area. Attention! If the operator leaves the driver's seat, the neutral gear "N" is automatically engaged after 3 seconds. Operation of the lever is disabled if the "concentric" and/or "crab" steering mode is selected.

3.1.1.2 LEVER ON THE RIGHT OF THE STEERING WHEEL

Lights control

Rotate the lever by holding it from the knurled part until the desired symbol of the rotating part is aligned with the horizontal line of the fixed part. 3 positions are possible:

- Position 0 = lights off
- Position 1 = parking lights on
- Position 2 = low beam lights on



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		FREQUENCY		FREQUENCY OF SCHEDULED MAINTENANCE					
GROUP	TYPE OF VERIFICATION	DAILY	WEEKLY	FIRST INTERVENTION (250 HOURS)	500 HOURS	1000 HOURS	1500 HOURS	2000 HOURS	3000 HOURS
GREASING SYSTEM	Lubricate joints		X						
	Lubricate the boom chains [3]		X						
	Boom surfaces in contact with the runners		X						
	Lubricate the cross and transmission shafts		X						
AIR CONDITIONING	Recharging the air conditioning*								X
	Replace the cabin air filter				X				
	Replacing the air conditioning belt*								X
	Replacing the evaporator/condenser filter*								X
** AdBlue*(DEF)	Filtering cartridge for AdBlue® (DEF) supply pump				x				

[1] to be performed annually, even if the expected operating hours are not reached

[2] or in any case every 2 years

[3] if applicable

[4] refer to the specific paragraph

* to be performed by qualified personnel only

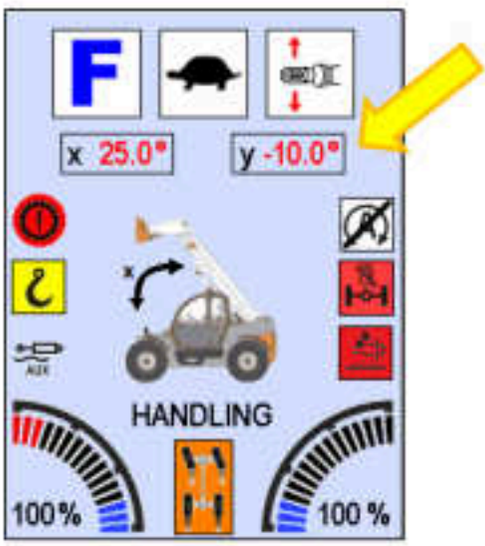
**** Only 74,4-100kW engines**

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4.5 LEVELING THE MACHINE



Handling loads and namely lifting or other operations that need to be conducted with the boom partially or completely extended are particularly dangerous if they are carried out with the machine NOT positioned on flat ground (check the flatness with the level in the cabin on the right behind the joystick and with the electronic angle sensor that shows the value of the side angle of the machine respecting the ground in the main page display).



To level the machine:
Act on the figertip lever positioned between the main joystick and the bubble level (par. 3.7);
A hydraulic cylinder connected to the chassis lowers or lifts the chassis according to the command given.
The Y box in the main page indicates the side inclination of the machine.
This inclination is detected and measured by specific position sensors.
The machine is levelled when the angle value is near the **0 value.**

The machine leveling control is inhibited under the following conditions:

- machine on outriggers
- rear axle in locked mode
- boom angle over 50 degrees

The machine leveling system has an electronic safety control that automatically decreases the speed of the leveling movement when the boom is raised; furthermore, it is always possible to level the machine towards the 0 degree position while the dangerous movement that could overturn the machine is automatically limited.

4.5.1 MACHINE LEVELING ON WHEELS

When operating with outriggers raised, it is important to check the side levelling before operating the machine.

If this is higher than 1.0°, the machine will automatically prevent boom lifting up to the maximum limit of 70°, limiting it to approximately 60°.

It is therefore advisable, in order to fully make use of machine operation, to level it before performing lifting operations.

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2.10.3 TILTING THE SEAT



Press the lever (G) completely to tilt the backrest forward to access the rear compartment where the accessories supplied are housed together with the instruction booklet of the machine and the various equipment installed. The side arm rests can be tilted freely.

The windscreen wiper water tank (H) is found on the left side of the seat (with a level indicator).



Attention! The seat is fitted with a sensor that is activated when the operator sits and enables the engine to start.

2.10.4 SAFETY BELTS



In case of an accident, the properly fastened safety belt offers good protection. The risk of injury is reduced and the chances of survival are increased.
Adjust the driver's seat before fastening the safety belt. Hold the tongue and slowly pull the belt over the pelvis. Insert the tongue (1) into the buckle (2) of the seat until you hear it click. Try to pull the safety belt to make sure it is engaged in the buckle.
Adjust the belt by pulling the flap of the belt with your left hand to tighten it across your body. If the belt is too tight, unhook it and lengthen the left side accordingly and repeat the coupling operation.
Release belt by pressing the red button (3). The tongue is expelled.



The belt is adjusted correctly when it is positioned on your pelvis without causing particular discomfort while driving. Using the belt increases the level of operator safety and reduces the risk of accidents. The driver cabin has been designed to support the weight of the machine in case of tipping over (ROPS). Therefore, the safety belt must always be fastened to avoid being thrown out of the cabin and/or being crushed in case of possible tipping over.

Never try to climb down the machine while it is tipping over. You are safe inside the cabin; the steel structure has been sized to protect the operator inside. Only exit the machine when it is stationary.

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