snorkel

SR9244
SR1054



OPERATOR'S and MAINTENANCE MANUAL

Open Cab
Deutz Stage 5
Serial number FR04006952 and after
Replaces September 2022

Part Number 159-0079-001
August 2023

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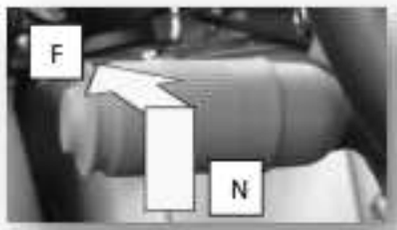
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3.1 DESCRIPTION OF THE CONTROLS

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 in all steering methods. It *is dangerous to change the direction of travel when the machine is moving with the engine at high speed; the machine will, in fact, abruptly invert the direction of travel; before reversing the gear, wait for the engine speed to drop to the minimum. When reverse is selected, an acoustic signal sounds to inform anybody present in the maneuvering area of the potential hazard.*
Attention! If the operator leaves the driver's seat, the neutral gear "N" is automatically engaged after 3 seconds.

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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 [1]		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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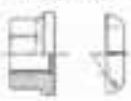
5.31 CHECKING THE TIRE PRESSURE AND TORQUE OF THE NUTS



Periodically check the torque of the nuts (1) of the 4 wheels and the tire pressure. Inflation can pose some risk and it is best to use a gun fitted with an extension pipe so as to be positioned at a safe distance and protected from a possible explosion.

To adjust tire pressure and/or replace the tires, refer to the "tires" paragraph in the "general information, chap.1" section.



CHARACTERISTICS	THREAD	TORQUE [Nm]
Wheel nut with integrated ball collar 	M18X1.5 mm M20X1.5 mm M22X1.5 mm	460 630 740
Flat collar wheel nut with separate safety ball washer 	M18X1.5 mm M20X1.5 mm M22X1.5 mm	360 450 550
Wheel nut with captive screw with separate hole 	M18X1.5 mm M20X1.5 mm M22X1.5 mm	360 500 650

To adjust the inflation pressure, refer to the following table and the tire installed on the machine:

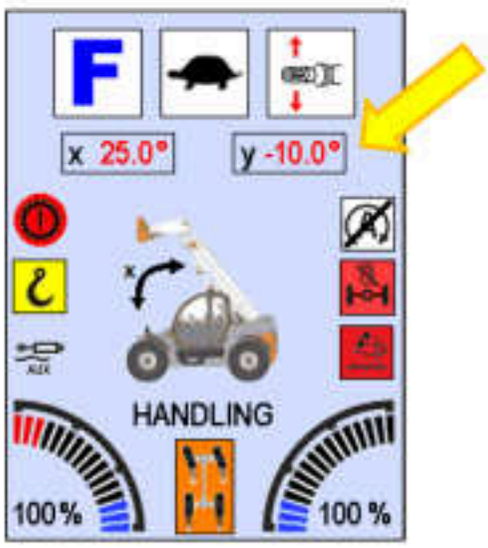
TIRE MODEL AND DIMENSIONS	BRAND	PRESSURE [bar]	LOAD INDEX
405/70-20 MPT-01 TL 14PR	MITAS	3.5	149B
405/70-20 MPT800 14PR	CEAT	3.5	149B
405/70-20 4L R1	CAMSO	5.5	158 A8
405/70-24 MPT-01 TL 14PR	MITAS	4.0	152B
405/70-24 MPT-04 TL 14PR	MITAS	4.0	151D
405/70-24 MPT800 14PR	CEAT	4.0	152B

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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).

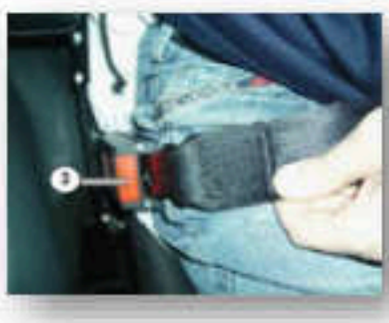


Attention! The seat is fitted with a sensor that is activated when the operator sits and enables the engine to start.

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.

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