snorkel

SR5719



OPERATOR'S and MAINTENANCE MANUAL

Part Number 159-0068-000
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Open Cab

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1.8 TECHNICAL SPECIFICATIONS

1.8.1 MACHINE WEIGHT

Tare weight:

MACHINE	WITHOUT ACCESSORIES	WITH FORKS	WITH BUCKET
Total mass [kg]	4720	4960	5170
Front axle weight [kg]	2120	2833	3466
Rear axle weight [kg]	2600	2127	1704

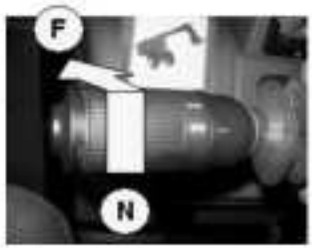
* the data refers to readings taken on the machines with CAMSO 12-16.5 wheels.

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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)



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 right front 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.



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

The lever can only be used if the steering mode is with 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.

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5.12.4 OIL CHANGE AND OIL FILTER REPLACEMENT

The engine oil, in a new engine, is quickly contaminated by residue of the internal parts during run-in. It is very important that the first oil change be carried out in accordance with the maintenance schedule.

Subsequent oil changes must be carried out using the same operating procedure (after 500 operating hours or 1 year of activity; replace the oil and oil filter at the same time).

Proceed only with the motor at a standstill and at low temperature so as not to run the risk of burns, following the instructions below:

- Use only the oil specified below. Other engine oils may compromise the validity of the warranty, cause seizing and/or shorten the service life of the engine.
- Prevent the engine oil from being contaminated with dirt and cuttings. Carefully clean the oil cap/dipstick and surrounding area before removing the cap.
- Do not mix different types of engine oil
- Do not overfill. Overfilling may generate white exhaust smoke, over-revving or internal damage.

Drain the engine oil as per the following procedure:

1. Make sure the engine is level
2. Start the engine and bring it to operating temperature
3. Shut down the engine
4. Remove one of the fill caps ([1] or [2] in figure 1) to vent the casing and facilitate drainage
5. Place a container under the sump drain cap to collect the used oil
6. Remove the sump drain cap ([1] in figure 2) and wait for it to completely drain
7. Once drainage is complete, screw the cap back onto the sump (55 Nm torque)
8. Dispose of the used oil according to the relevant regulations in force

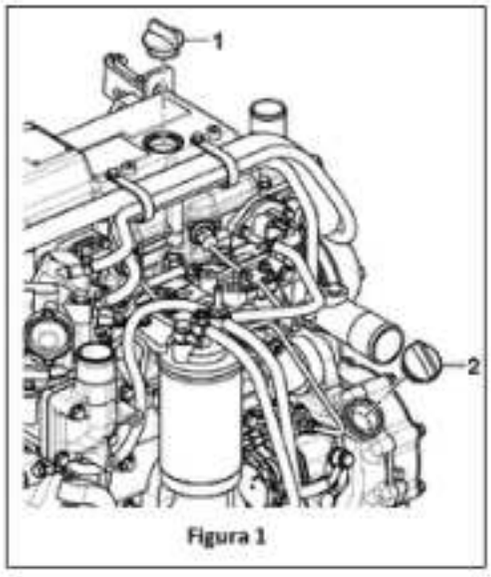


Figura 1

Note: the oil drain cap may be located in a different position if an optional oil sump is used

Remove and replace the oil filter as per the following procedure:

1. Unscrew the filter in a counter-clockwise direction ([2] figure 2) using the dedicated key
2. Thoroughly clean the surfaces of the support in contact with the sealing
3. Moisten the sealing gasket of the new filter with a layer

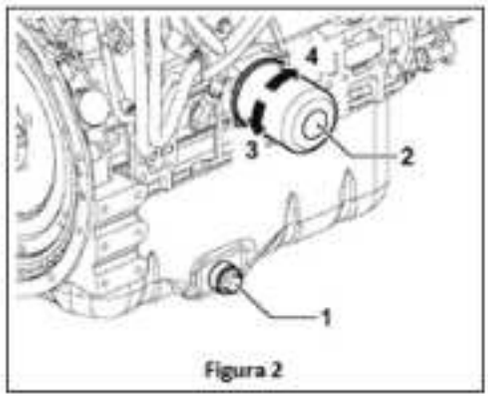


Figura 2

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4.5 STACKING

4.5.1 HOW TO DRAW A LOAD

Approach the load perpendicularly with the boom retracted and the forks in a horizontal position. If the forks do not have the transversal movement system (optional), engage the parking brake, climb off the machine and move the forks manually making sure they are central with respect to both the load and the machine.



Attention! Risk of crushing fingers while moving the forks. Do it carefully.

Slowly drive the machine while slightly lifting the forks. Insert the forks fully until they are supporting the load. Raise the boom slightly and tilt the forks back (transport position): the angle of the forks must be sufficient to stabilise the load preventing it from moving forward in the event of sudden braking during transport.

4.5.2 HOW TO DRAW A LOAD FROM ABOVE

Slowly move the machine forward, lifting the forks so as to be positioned vertically under the point from where the load is to be picked up. Insert the forks fully until they are supporting the load. Raise the boom as much as is required and tilt the forks back (transport position): the angle of the forks must be sufficient to stabilise the load preventing it from moving forward in the event of sudden braking during transport. Move the machine backwards and lower the telescopic boom.
Lay a load on its side perform the same operations in inverse order.









Attention! When picking up a load located at the top to place it in another equally high place, it may be tempting to make the move, especially if the journey is short,

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5.11 MAINTENANCE PROGRAM

The data sheet below lists all the necessary maintenance operations and the frequency required to maintain the efficiency of the machine. Yanmar 52 kW STAGE V engine

GROUP	TYPE OF VERIFICATION	CHECK DAILY	FREQUENCY OF SCHEDULED MAINTENANCE						
			EVERY 50 HOURS	EVERY 250 HOURS	EVERY 500 HOURS	EVERY 1000 HOURS	EVERY 1500 HOURS	EVERY 2000 HOURS	EVERY 3000 HOURS
RADIATOR	Check and top up coolant	X							
	Check and clean the radiator	X		X					
	Clean the closing nets	X		X					
	Check and tension the cooling fan belt		X 1st time	X 2nd and subsequent					
	Change the coolant[2]							X	
HEAD	Adjustment of exhaust-intake valve clearance (if required)					X			
ELECTRICAL COMPONENTS	Control indicators	X							
	Check the battery		X						
ENGINE OIL	Check the engine oil level	X							
	Oil and filter change[1]		X 1st time		X 2nd and subsequent				
EMISSION CONTROL SYSTEM									
	EGR valve inspection, cleaning and verification								X
	Cleaning of the main EGR valve								X
	EGR radiator cleaning (clean water/air ducts)								X
	Engine casing ventilation system inspection							X	
	DPF Fine dust filter check and cleaning								X
	Intake throttle valve inspection and control								X
FUEL	Checking/replacement of fuel filter/water separator	X			X				
	Water separator drain		X						
	Injector control and cleaning								X
FLEXIBLE HOSES	Replacement of fuel and cooling system hoses[2]							X	
EXHAUST	Checking of the integrity of the exhaust pipe		X						

GROUP	TYPE OF VERIFICATION	CHECK	FREQUENCY OF SCHEDULED MAINTENANCE

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