OPERATOR'S MANUAL

BASE 20

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MANUFACTURER



Tractors for Life

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MODELS AND VERSIONS



BASE 20

Key to versions

Articulated tractor

Roll bar version 25

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WORK WITH CROP SPRAYERS (RISK OF

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GENERAL INFORMATION



ORIGINAL INSTRUCTIONS

INTRODUCTION

This manual contains the description of the operation of the machine and the instructions needed to successfully perform the main operations of use, routine maintenance and periodic maintenance.

Since it is considered an integral part of the machine, in case of transfer or sale of the machine, the operating and maintenance manual must always be supplied: if it becomes lost or damaged, you have to request a copy from the manufacturer of the machine or the previous owner.

The trust to our company to prefer products of our brand will be richly rewarded: proper use, timely maintenance, use of spare parts and original accessories will pay off in the performance, productivity and savings.

Manual update

The information, descriptions and illustrations in this manual reflect the state-of-the-art at the time the machine was marketed.

The manufacturer reserves the right to make any modifications dictated by technical or commercial requirements at any time.

Such modifications do not oblige the manufacturer to modify the vehicles marketed up to that time nor to consider this publication to be inadequate.

Any integrations the manufacturer may provide must be kept together with the manual and will be considered an integral part of this latter.

Copyright

The copyrights of this manual belong to the manufacturer of the machine. This manual contains texts, drawings and illustrations of a technical kind that can neither be wholly nor partly disclosed or transmitted to third parties without written authorization from the manufacturer of the machine.

Declaration of conformity

Declaration of conformity are at the end of the manual.

AFTER SALES

Warranty

Engine: conditions and terms established by the manufacturer

Tractor: within the terms laid down by our Certificate of Warranty.

Spares



To order spares: Contact our Spares Assistance centres with the following information: **model**, **series and serial number of the machine**, punched on the data plate.

Assistance

Contact the AUTHORIZED sales network



The Assistance Service provides specialized personnel able to work on our products. It is the only Service authorized to work on products covered by the warranty. Use of Genuine Spare Parts and compliance with the scheduled servicing operations according to the prescribed frequency will preserve the qualities of the machine over time and will entitle you to the WARRANTY that covers the product throughout the established period.

HOW TO READ THE MANUAL



Certain sections of this manual containing information of particular importance in relation to safety or operation, are highlighted in the following way:



DANGER

Failure to comply with the instructions could lead to serious danger and serious personal injuries or harm to third parties.



WARNING

Failure to comply with the instructions could cause personal injuries or harm third parties.



IMPORTANT

The information is given with the intention of preventing damage to the machine or causing damage.

Consult the specific manuals for safe operation and maintenance instructions about those parts of the machine manufactured by third parties.



All indications as to the "front", "rear", "right" and "left" parts of the machine refer to the operator's driving position .

A series of symbols have been make to make the texts easier to understand. Their meanings are described below:



Warning



Environment



Recycling



Legislation



Information

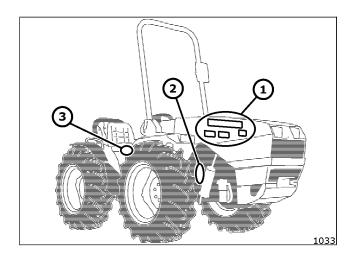
Standard symbols

Standard symbols have been used to ensure the machine is used in the best way.

Transmission	Power lift
Differential lock	₫ ⅀ Power lift - Up
Power take-off	Power lift - Down
Power take-off rotation	Power lift – Floating mode
- Clutch	■ Driving beam
Four-wheel drive	Dipped beam
Direction reverser	P € Parking light
Air valve	€0 d€ Side lights.
Linear accelerator	A Hazard lights
Rotational accelerator	☐ Indicator light
Working range	→ Turn indicator
Clockwise rotation	Trailer turn indicator
Counter-clockwise rotation	Field light
← Forward direction	⊳⊟ } Fuel level
→ Low speeds	Fuel filter
↑ Normal speeds	Horn.
Fast speeds	- + Battery charger
Neutral	Hydraulic circuit
Engine oil pressure	Hydraulic circuit filter
Engine coolant temperature	Oil
Engine preheating	Air conditioning
Engine oil filter	Air ventilation
Engine air filter	Air heating
Safety belts	Windscreen wiper
(P) Parking brake	Windscreen wiper and window washer
	Rear window wiper
Blocked	Rear window wiper and window washer

MACHINE IDENTIFICATION

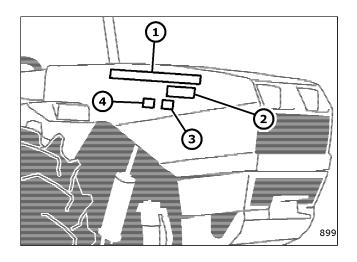
Identification criteria



The machine is identified in three different ways:

- 1 With decals.
- 2 Punch marks on chassis.
- (3) With a metal plate.

Decals



The decals affixed to the bonnet indicate:

- 1 Brand.
- 2 Series
- 3 Model
- (4) Version
- **Punch marks on chassis**



- 1 Manufacturer's code.
- 2 Production series
- 3 Type of machine
- 4 Identification number (serial number).

Metal plate



The metal plate is positioned in the interior of the right rear fender.

(11040				_
⊕ ⁴¹⁰⁴² GOLDONI Migliarina di Carpi	S.	р. А	. [F \oplus
Migliarina di Carpi	(MODE	NA)ITA	LYL	
Den.com: 1			Serie:	2
Type: 3 Var/Vers:	4		BS:	5
Nr.OMOLOGAZIONE: EEC number:	7	6		
Numero d'identificazione: Identification number:	:	7		
Massa totale ammissibile : Allowable total weight :		8)	Kg
Carico ammissibile asse anteri Allowable load on front axle :		9		Kg
Carico ammissibile asse poster Allowable load on rear axle :	iore :	10)	Kg
Massa rimorchiabile ammissibil Allowable towing weight :	e: NAZ	. 13_	EEC	12
-Non frenata: -Unbraked:	11	Kg	12	Kg
-Con frenatura -Indipendent indipendente: braking:	13	Kg [14	Kg
-Con frenatura -Inertial ad inerzia: braking:	15	Kg _	16	Kg
-Con frenatura -Assisted assistita: braking:	17	Kg	18	Kg
MADE II	N ITALY			$ \oplus$

The metal plate gives the following information:

- 1. Commercial denomination
- 2. Production series
- 3. Type of machine
- 4. Variant/version
- 5. ABS coefficient
- **6.** Approval number
- 7. Identification number (serial number)
- **8.** Total permissible weight (KG)
- **9.** Permissible load on front axle (KG)
- 10. Permissible load on rear axle (KG)
- 11. Non-braked permissible towed weight (in Italy) (KG)
- **12.** Non-braked permissible towed weight (European) (KG)
- **13.** Permissible towed weight with independent braking (in Italy) (KG)
- **14.** Permissible towed weight with independent braking (European) (KG)
- **15.** Permissible towed weight with overrunning braking (in Italy) (KG)
- **16.** Permissible towed weight with overrunning braking (European) (KG)
- **17.** Permissible towed weight with power braking (in Italy) (KG)
- **18.** Permissible towed weight with power braking (European) (KG)

Position	Kg
11	725
12	750
13	1450
14	1500
15	1450
16	1500
17	1
18	/

GENERAL INFORMATION

IDENTIFICATION OF THE COMPONENTS

The machine consists of a series of main components which are each identified by a metal data plate and/or by punch marks.

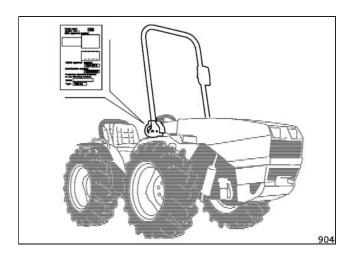
Engine

Metal data plate and punched code number.

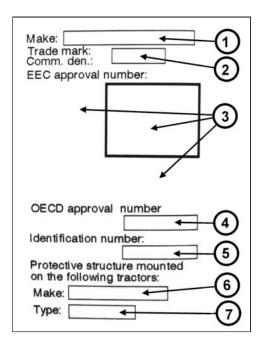


See engine's operation and maintenance manual.

Safety frame



Decal with the Type of safety frame.



- 1 Manufacturer of the protection structure
- 2 Denomination of the protection structure
- 3 EEC approval code
- 4 OCSE / OECD approval code
- (5) Identification number (serial number).
- (6) Tractor brand
- 7 Variant/version

Meaning of OCSE / OECD codes:

- OECD/OCSE 6: The safety frame has passed the ROPS (Roll Over Protection Structure) tests for the front frame. The driver is protected if the machine overturns
- OECD/OCSE 7: The safety frame has passed the ROPS (Roll Over Protection Structure) tests for the rear frame. The driver is protected if the machine overturns
- OECD/OCSE 10: The safety frame has passed the FOPS (Falling Object Protective Structure) tests.
 The frame withstands falling objects with 1365 Joule energy level



The safety frame of the machine conforms to OECD 6

Towing attachments

Code punched on device:

- Make
- Type of device

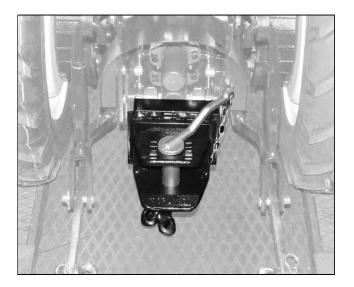
Type CUNA - Cat. B

Approval code DGM-GA 2968 B



CEE Cat.

Approval code e11-1567



SAFETY

SAFETY REGULATIONS



DANGER

There is no substitute for prudence to make your work safer and to prevent accidents. The manufacturer cannot make provisions for every rreasonably foreseeable improper use able to lead to a potential danger.



IMPORTANT

Failure to follow the regulations relieves our firm from all liability.



DANGER

Do not go downhill with the clutch disengaged or the gear shift in neutral. Use the engine to brake the machine. If you find you are using the brake a lot when going downhill, shift to a lower gear.



DANGER

Check to make sure that all revolving parts on the machines (PTO, cardan couplings, pulleys etc.) are fully guarded.



DANGER

Do not wear loose clothing, jewelry, neck chains or bracelets and take care if your hair is very long as it could become caught up in parts of the machine and implements.



DANGER

Do not leave the engine running in an closed room: the exhaust fumes are poisonous.



DANGER

Do not leave the machine with engine running near flammable substances.



DANGER

After any maintenance work, grease and remove the grease from the engine to prevent the risk of a fire.



DANGER

Keep hands and other parts of the body away from holes or leaks in the hydraulic system: the hydrualic fluid that spurts from the leak is under pressure and can cause serious injuries.



DANGER

Do not carry persons or equipment on the tractor beyond the number allowed by the Certificate of Approval or provided as standard equipment.



DANGER

Do not get on or off the machine while it is moving.



WARNING

Do not tamper with the machine or the implements in any way. Arbitrary modifications to this machine will relieve the manufacturer from all liability for resulting damage or injuries to the operators, to third parties and to things.



WARNING

Before starting the engine make sure that the gear shift and the PTO are in neutral.



WARNING

Engage the clutch gradually to prevent the machine from suddenly moving off or pitching up at the front.



WARNING

Do not service, repair or make any kind of adjustment to the tractor or to the implements hitched to it without having first turned off the engine, removed the ignition key and lowered the implement to the ground.



WARNING

Lower the mounted implements to the ground before leaving the tractor.



WARNING

Always park the tractor so that its stability is guaranteed by applying the parking brake and engaging a gear (1st gear uphill and reverse downhill) and applying the parking brake. Use a chock for greater safety.



WARNING

Before driving the machine, check to be sure that there are no bystanders or animals within its range of action.



WARNING

Do not leave the machine unattended with the engine running and/or the key in the ignition.



WARNING

Whenever the PTO is not in use, the drive shaft must be covered by the special guard.



WARNING

The operator must check to make sure that all parts of the tractor, especially the safety devices, are in a good working condition and that they always comform to the purpose for

which they were designed. They should be kept in a perfectly efficient condition. If you note any defects or faults, fix or repair them in good time. If necessary contact your nearest Assistance Centre.



IMPORTANT

Follow the traffic code when driving on the roads.



IMPORTANT

Check the nuts and bolts of the wheels and safety frame from time to time, always with the engine shut off.



IMPORTANT

Do not use the differential lock near or in bends and avoid using it in fast gears or with engine running at a high rate.



IMPORTANT

Avoid tight steering angles when towed implements are mounted and the drive shaft is under strain since the coupling could be damaged.



IMPORTANT

Adjust the hitch to its lowest possible positions to prevent the machine from pitching up at the front.



IMPORTANT

Keep the chains taut and the power lift raised when driving the machine with implements coupled to the three-point linkage.



IMPORTANT

Only use the front tow hook for towing the machine in an emergency.



DANGER

Do not drink fuels / lubricants / fluids. If these substances accidentally splash into the eyes, thoroughly rinse the affected part with plenty of water.



WARNING

Lengthy or repeated contact of the skin with fuels / lubricants / fluids should be avoided as skin disorders or other damage could ensue.



WARNING

Only use the tractor with towed and/or mounted implements or with the trailer, after having read and carefully complied with the instructions in the relative operation and maintenance manuals.

SAFETY OPERATIONS

Training

- Read the instructions carefully.Become familiar with the controls and how to correctly use the machine.
- Never ever allow children or persons who are unfamiliar with these instructions to use the machine.Local regulations can restrict the age of the operator.
- Never operate the machine while people, especially children, or animals are nearby.
- Remember that the operator or the user is responsible for any accidents or risks to which third parties or their property may be subjected.
- Do not carry passengers.

All drivers should seek and obtain professional and practical instructions. Such instructions should emphasize:

- the need for care and concentration when working with ride-on machines;
- control of a machine sliding on a slope will not be regained by applying the brake;

The main reasons for loss of control are:

- insufficient wheel grip;
- driving too fast;
- inadequate braking;
- the type of machine is unsuitable for its task;
- lack of awareness of the effect of ground conditions, especially slopes;
- incorrect hitching and load distribution.

Preparation

- Check the machine with care before starting up each time
- The decals affixed to the machine provide important information: it is in the interests of your safety to comply with these indications.
- Make sure that the safety decals are in a good condition. If the decals are damaged or illegible, they must be replaced with other originals obtained from the manufacturer and affixed in the positions indicated in the operation and maintenance manual.
- Always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Thoroughly inspect the area where the equipment is to be used.
- WARNING-Fuel is highly flammable.
- Store fuel in containers specifically designed for this purpose.
- Refuel outdoors only and do not smoke while refueling.
 - To avoid the risk of the machine catching fire, periodically check the fuel pipe and replace it if it appears to be damaged to an extent that could impair its tightness.
- Refuel before starting the engine. Never remove the plug of the fuel tank or add fuel while the engine is running or hot.
- If fuel is spillt, do not attempt to start the engine but move the machine away from the place of spillage and avoid creating any source of ignition until fuel vapors have dissipated.
- Securely tighten the plugs on the tank and containers.
- Replace faulty silencers.
- Clean all foreign materials from the machine (dirt, tools, objects in general) that could impair the way it operates or injure the operator.

Operation

- Do not operate the engine in a confined space where dangerous monoxide fumes can collect.
- Only operate in daylight or in good artificial light.
- Before attempting to start the engine, disengage all the PTOs, shift the gear to the neutral position and fully depress the clutch lever.
- If you must cross a steep slope, consult section: Danger of tipping over.

Remember that there is no such thing as a safe slope. Driving up and down grassy slopes requires particular care. To avoid overturning:

- do not stop or start suddenly when driving on slopes:
- engage the clutch slowly. Always keep the gear engaged, especially when traveling downhill;
- maintain a low speed on slopes and around tight turns;
- stay alert for humps and hollows and other hidden hazards;
- take the greatest care when working across the face of a slope.

Take care when pulling loads or using heavy implements:

- use only approved drawbar hitch points;
- limit loads to those you can safely control;
- do not turn sharply.
- take care when reversing;
- use counterweights or wheel ballast to increase the stability.
- Watch out for traffic when crossing or driving alongside roads.
- Never unload material in the direction of bystanders or allow anyone near the machine while it is operating.
- Never operate the machine with defective guards or without the protective safety devices in their correct positions.
- Do not change the engine governor settings or over-rev the engine. Operating the engine at an excessive speed can increase the hazard of personal injury.

Before leaving the operator's position:

· disengage the drive to any attachments and

lower them;

- change into neutral and lock the parking brake:
- . stop the engine and remove the key.

Disengage the drive to the implements, stop the engine and remove the ignition key:

- before clearing blockages;
- before checking, cleaning, or working on the machine;
- after striking a foreign object. Inspect the machine for damage and make repairs before restarting and using implements;
- if the machine starts to vibrate abnormally (check immediately).
- Disengage the drive to implements when transporting or not in use.

Switch off the engine and disengage the drive to the implement:

- before refueling;
- before making height adjustment unless the adjustment can be made from the operator's position.
- Reduce the throttle setting when slowing and, if the engine is equipped with a shut-off valve, turn the fuel off at the end of the operations.
- Read, understand and follow all the instructions in the manual and on the machine before starting.
- Inspect the machine before each job. For safety reasons, replace or repair damaged, very worn or missing parts. Make the necessary adjustments before you start work.
- Make sure that all drives are in neutral and that the parking brake is engaged before starting the engine. Only start the engine from the operator's position.
- Check brake action before you operate. Adjust or service the brakes as necessary.
- Stop machine if anyone enters the area in which you are working.
- Never leave the machine unattended when it is running.
- Take care when approaching blind corners, shrubs, trees and other objects that may impair the visibility.
- Only use the accessories and implements recommended by the manufacturer of the machine. Keep the safety decals visible when

accessories or implements are fitted. Make sure that you have fully read the Instruction Manual of that accessory and/or of that implement and comply with the relative safety instructions.

- Do not use the machine if you are under the influence of medicines, alcohol or drugs.
- Before beginning to use the machine, check to make sure that the operator presence controls function correctly. Check the safety systems.
 Do not begin work unless they function correctly.
- Before starting the engine, turn off the air conditioner, fans and electrical accessories are not essential.
- When the engine is off do not use electrical devices when not needed. These absorptions can download the batteries in a profound and damaging them.
- Do not wear headphones to listen to music or the radio. Safe service and operation requires your full attention.

Maintenance and Storage

- Keep all nuts, bolts and screws perfectly tightened so as to be sure that the machinery operates in safe conditions.
- Never store the equipment with fuel in the tank inside a building where fumes could reach an open flame or spark.
- Allow the engine to cool before storing the machine in a closed place.
- To reduce the risk of fire, keep the engine, silencer, battery compartment and fuel storage area free of grass, leaves, or excessive grease.
- For safety reasons, replace worn or damaged parts.
- If the fuel tank has to be drained, this should be done outdoors.
- When machine is to be parked, stored or left unattended, lower the attachment unless a positive mechanical lock in used.
- Never leave the machine unattended when it is running.

Putting back into service after storage

Comply with the following instructions before using the machine for the first time or after a long idle period:

- Make sure that the machine is not damaged in any way.
- Check the mechanical components, which must be in a good condition with no signs of rust.
- Carefully grease all mobile parts.
- Make sure that there are no oil leaks.
- Check the engine oil level.
- Check the transmission oil level.
- Make sure that all the protections are in their correct places.

Parking Safely rules

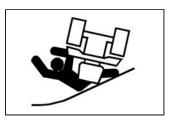
- Stop the machine on level ground, not on a slope.
- Disengage PTO and stop the implements.
- Lower implements to the ground.
- Lock the parking brake.
- Turn off the engine.
- Remove the key.
- Wait until the engine and all moving parts have stopped before you leave the operator's station.
- Close the fuel shut-off valve if the machine is equipped with this component.

Do not pick up Passengers on board



- Only one operator is allowed to work on the machine. Do not carry passengers.
- Passengers on the machine or on the implement may be struck by foreign objects or be thrown off the machine, causing serious injury.
- Passengers obstruct the operator's view, resulting in the machine being operated in an unsafe manner.

Avoid Tipping



- Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or even death. All operations that take place on sloping ground require extra caution.
- Be aware that mechanical front wheel drive (MFWD) can improve access to dangerously sloping terrain, thereby increasing the possibility of overturning.
- Drive up and down hills, never across them.
- Watch out for holes, ruts, bumps, rocks or other hidden objects. Uneven terrain could cause the machine to overturn. Tall grass can hide obstacles.
- Take the utmost care on wet grass. Tires may lose their grip on slopes even though the brakes are functioning properly.
- Choose a low ground speed so you will not have to stop or shift gear on the slope.
- Always keep the gear engaged when going

down slopes. Never coast downhill with the machine in neutral.

- Avoid starting, stopping or turning on slopes. If the tires lose their grip, disengage the PTO and proceed slowly, straight down the slope.
- Keep all movement on slopes slow and gradual. To not make sudden changes in speed or direction as this could cause the machine to tip over.
- Do not use the machine near ravines, ditches, embankments or bodies of water. The machine could suddenly tip over if a wheel goes over the edge or the edge caves in. Allow for a safety area between the machine and any hazard.
- The risk of tipping over increases to a considerable extent if the tires have been regulated with a narrow track width and the machine is driven at high speed.
- Comply with the manufacturer's recommendations for wheel weights or counterweights, which can increase stability when work is performed on slopes or when front or rear-mounted implements are used. Remove the weights when they are not required.

M

WARNING

This list is not exhaustive.

Do not use the tractor if overturning hazards exists.

Towing Loads Safety rules

- The stopping distance increases with speed and the weight of a towed load. Drive slowly and allow extra time and distance for stopping.
- The total towed weight must not exceed the combined weight of the tractor, ballast and operator. Use counterweights or wheel weights as described in the instruction manual of the implement or tractor.
- Towing of an excessively heavy load can cause loss of traction and loss of control on slopes. Reduce the towed weight when working on slopes.
- Never carry children or other persons in or on towed implements.
- Only use approved hitches. Only tow with a machine equipped with a hitch designed for towing. Only attach towed equipment to the approved hitch point.
- If you are unable to back up a slope with a towed load, it means that the slope is too steep to work on with the towed load. Reduce the towed load or do not operate.
- Do not turn sharply. Use additional caution when turning or operating under adverse surface conditions. Take care when reversing.
- Never coast downhill with the machine in neutral.
- Keep well away from the zone between the tractor and the towed vehicle.

Keep a distance from the driveline shaft in motion



- Entanglement in rotating driveline can cause serious injury or death.
- Wear close fitting clothing.
- Stop the engine and make sure that the PTO driveline has stopped before going near the PTO shaft.

Checking Wheel Hardware

- A serious accident could occur causing serious injury unless the wheel hardware is securely tightened.
- Check the tightness of the wheel hardware often during the first 100 hours of operation.
- The wheel hardware must be tightened to the specified torque value using the correct procedure whenever it works loose.

Safety measures for maintenance



- The only authorized interventions are the ones described in the MAINTENANCE chapter. All other interventions must be performed by the technicians of workshops authorized. Your dealer will be able to provide information about your nearest authorized servicing center.
- Routine servicing of the machine may only be performed by qualified and trained adults.
 Fully familiar with the procedure before performing servicing work.
- Do not operate the machine in a confined space where dangerous monoxide fumes can collect.
- Keep all nuts, bolts and screws perfectly tightened so as to be sure that the machinery operates in safe conditions.
- Never ever tamper with the safety devices.
 Check them regularly to make sure that they function properly.
- Prevent grass, leaves and other debris from building up on the machine. Clean up spilt oil or fuel and remove any fuel-soaked debris. Allow the machine to cool before storing.
- Never make adjustments or repairs with the engine running. Wait for all movement in the machine to stop before making adjustments, cleaning or repairing.
- Check brake operation frequently. Have the brakes adjusted and serviced by an authorized workshop when required.
- Replace the safety instruction decals if damaged.
- Keep hands, feet, clothing, jewelry and long hair well away from moving parts and control levers to prevent them from getting caught.
- Lower any implements to the ground before cleaning or servicing the machine. Disengage all electric power sources and stop the engine. Lock the packing brake and remove the key. Allow the machine to cool.
- Securely support any machine components

that must be raised for service work. Use stands or lock service latches to support the components when needed.

- Disconnect the battery before making any repairs. First disconnect the negative terminal and then the positive one. First install the positive terminal and then the negative one.
- Before servicing the machine or implement, carefully relieve the pressure from all components with stored energy, such as hydraulic components or springs.
- Relieve the hydraulic pressure by lowering the implement or cutting equipment to the ground or to the mechanical stop point and move the hydraulic control levers back and forth.
- Keep all parts in a good condition and properly installed. Repair all damage immediately. Replace worn or broken parts.
- Charge the batteries in an open, wellventilated area, well away from sparks.
 Unplug the battery charger before connecting or disconnecting it to or from the battery.
 Wear protective clothing and use insulated tools.

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- The following equipment is required:
 - safety goggles or safety glasses with side shields
 - a hard hat when working with the machine
 - protective gloves (in neoprene for chemical products, in leather for heavy-duty work)
 - protective ear muffs or ear plugs
 - respirator or filtering mask
 - close fitting, waterproof clothing
 - reflecting garments
 - safety footwear

Beware of high pressure fluids



- Hydaulic hoses and lines can fail due to physical danage, kinks, age and exposure.
 Check the hoses and lines regularly. Replaced damaged hoses and lines.
- Hydraulic fluid connections can loosen due to physical damage and vibration. Check the connections regularly. Tighten any loose connections.
- Escaping fluid under pressure can penetrate the skin, causing serious injury. Avoid this hazard by relieving the pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard.
 Protect hands and body from high pressure fluids.
- Seek medical help immediately if an accident occurs. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Physicians who are unfamiliar with this type of injury should refer to a reliable medical source.

Fire prevention

- Remove grass and debris from the engine compartment and silencer area before and after using the machine.
- Always shut off the fuel valve, if installed, when the machine is stored or transported.
- Do not park the machine near an open flame or source of ignition, such as a water heater or a boiler.
- Frequently check the fuel lines, the tank, plugs and fittings for cracks or leaks. Replace them if necessary
- Never store the machine with fuel in the tank inside a building where fumes could reach an open flame or spark.
- Allow the engine to cool before storing the machine in a closed place.

Tire safety measures



Explosive separation of a part of tire and rim can cause serious injury or death:

- Never attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. Heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand on one side and NOT in front of or over the tire assembly.
- Check tires for low pressure, cuts, blisters, damaged rims or missing lug bolts and nuts.

Handling fuel safely measures





To avoid personal injury or property damage, use extreme care in handling fuel. Fuel is extremely flammable and fuel vapors are explosive.

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only approved non-metal, portable fuel containers. If using a funnel, make sure it is plastic and has no screen or filter.
- Never remove the fuel tank cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never add fuel to or drain fuel from the machine indoors. Move machine outdoors and provide adequate ventilation.
- Clean up spilled fuel immediately. If fuel is spilled on clothing, change clothing immediately. If fuel is spilled near machine, do not attempt to start the engine but move the machine away from the area of spillage. Avoid creating any source of ignition until fuel vapors have dissipated.
- Never store the machine or fuel container where there is an open flame, spark. or pilot light such as on a water heater or other appliance.
- Prevent fire and explosion caused by static electric discharge. Static electric discharge can ignite fuel vapors in an ungrounded fuel container.
- Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before fueling.
- Remove fuel-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a fuel dispenser nozzle.
- Keep the nozzle in contact with the rim of the

fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.

- Never overfill fuel tank. Replace fuel tank cap and tighten securely.
- Replace all fuel container caps securely after use.
- For gasoline engines, do not use gas with methanol.

Methanol is harmful to your health and to the environment.

ECOLOGY



It is of fundamental importance to safeguard the environment. Incorrect waste disposal can alter the environment and the ecological system.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.



Do not use food or dink containers, which could lead to mistakes, to drain off fluids like fuels, lubricants, coolants or other.



Do not dispose of parts of the cooling system (such as radiators, fluids, tanks, etc.) in the environment.



Contact an authorized organization or ask your dealer for advice about how to recycle or dispose of waste products in the correct way.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

Disposal waste product and chemicals

Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people:

- Never ever use beverage containers for waste fluids: someone may drink from them.
- Contact your local Recycling Center or authorized dealer for information about how to recycle or dispose of waste products.
- Use oil must be collected and must not be dispersed in the environment since, in accordance with the current laws, it is classified as dangerous waste and as such, must be taken to an authorized collection center.

JOBS IN FORESTRY

Dangers

The major dangers when using the machine for forestry work are:



DANGER

Take great care of falling trees and branches if a log crane is mounted on the rear part of the tractor.



DANGER

Take great care if a winch is mounted on the rear part of the tractor as trees could enter the space where the drivers sits.

Roll bar version



WARNING:

On machines equipped with safety frames, there are no places on which protections able to safeguard against the dangers of forestry work can be fitted.

The safety structures originally installed on the machines are not certified as F.O.P.S.



WARNING:

The machine is not suitable for forestry work as it is without a safety structure able to sufficiently protect the operator from the risks indicated above.

Jobs requiring a certain level of protection need further measures of protection.

WORK WITH CROP SPRAYERS (RISK OF HAZARDOUS SUBSTANCES)

Roll bar version

The version of the machine with the folding safety frame does not provide any protection against entrance of dangerous substances. Jobs requiring a certain level of protection need further measures of protection.



WARNING:

Both towed and mounted crop sprayers can be used but to reduce the risk of intoxication, it is obligatory to use Personal Protective Equipment



WARNING:

It is obligatory to use Personal Protective Equipment regardless of the chemicals used.

SAFETY DEVICES

Safety frame

The term protection frame is commonly understood to mean the device that protects the user if the machine overturns. This term therefore refers to both the cab and the roll bar.

Depending on the versions, agricultural tractors and selfpropelled machines can be fitted with one of the two types of protection frame



WARNING

The roll bar must be kept in the vertical position during work.

There are no conditions of work for which the roll bar is allowed to remain in the lowered position.



WARNING

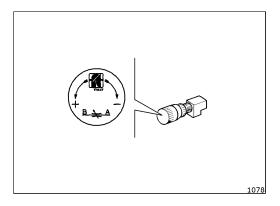
When in the horizontal position, the safety frame will provide no protection if the tractor tips up.



WARNING

Make sure that the roll bar is in the correct position before starting the engine.

Power lift lock





IMPORTANT

Fully screw-in the adjuster to lock the implement in both the raised and lowered position. This provides a safety function when implements are transported on the roads.

Safety belts





DANGER

Wear the safety belts when you use the machine with the safety frame (roll-bar or ROPS) to reduce the risk of accidents if the tractor tips up.

SAFETY DECALS



DANGER

Safety decals have been affixed to various parts of the machine. They indicate potential dangers.



IMPORTANT

The decals must be kept clean and legible. If damaged, they must be replaced.



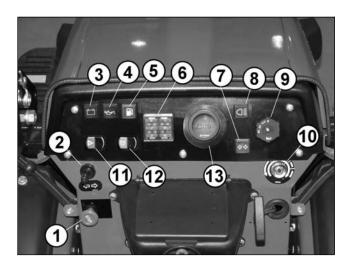
IMPORTANT

Some of the machine components can be equipped with the manufacturer's specific safety decals.

OPERATING INSTRUCTIONS

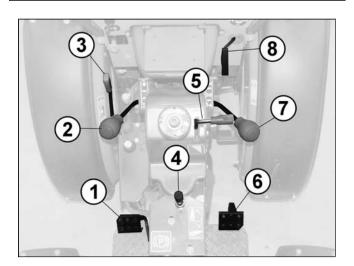
CONTROLS AND INSTRUMENTS

Dashboard



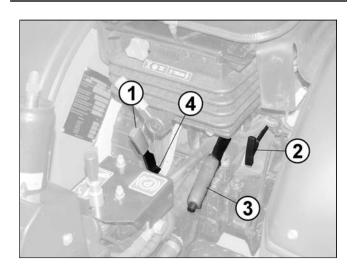
- 1 Engine stop knob
- Turn indicator Flashing headlights.
- Battery charge indicator red.
- Low engine oil pressure indicator red.
- Fuel reserve indicator yellow.
- (6) Fuse box
- Tractor direction indicators green.
- 8 Driving beam indicator blue.
- (9) Light switch and horn
- (10) Ignition switch
- Emergency lights switch
- (12) Revolving beacon switch
- 13 Total hour counter

Controls in front part



- Clutch pedal.
- (2) Final drive lever.
- 3 PTO speed selector lever
- 4) Power lift control lever
- Hand throttle.
- (6) Brake pedal
- Gearshift lever.
- (8) Front differential locking lever.

Controls on right side



- Lever for selecting the independent or synchronized rear PTO.
- (2) Rear differential lock
- 3 Parking brake lever
- 4 Locking lever

Seat controls



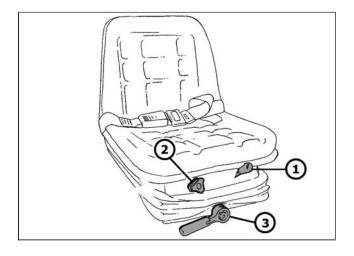
DANGER

Do not get on or off the machine while it is moving.



DANGER

This adjustment must be performed when the machine is at a standstill, with the engine off and the parking brake engaged.



- 1 Distance of seat from controls.
- Seat height adjustment.
- Seat lengthwise adjusting lever



Effective weighted acceleration values measured in accordance with directive 78/64/EEC and successive amendments

GT60/M91
e13*78/764*1999/57*0004
Corrected Weighted vibration acceleration
awS
1.13 m/s²

Tools box



· Located under the dashboard

Central steering



IMPORTANT

Take the utmost care when steering. Since the machine is articulated, the space between the mudguards becomes narrower near the platform on which the feet rest.

The tractor's forecarriage moves when the machine is steered. Take great care of the surrounding area.

Central steering





STARTING AND STOPPING THE ENGINE

Before starting the engine



WARNING

Before starting the engine make sure that the gear shift and the PTO are in neutral.



Apply the parking brake.



Move the gearshift lever to the idle position.



Move the **final drive** lever to the neutral position.



Move the lever used to select the independent or synchronized rear PTO to the neutral position.



Move the lever used to select the PTO speed to the neutral position.



Depress the clutch pedal.

The safety device " Push And Start " will prevent the engine from starting unless the clutch pedal is fully depressed.

Before starting the engine, turn off the air conditioner, fans and electrical accessories are not essential.

When the engine is off do not use electrical devices when not needed. These absorptions can download the batteries in a profound and damaging them.

How to start the engine



See engine's operation and maintenance manual.

Ignition switch



• Insert the key and turn it as described below:

STOP No circuit powered.



Glow plug preheating. Keep the key in this position for 8-10 seconds.



Engine starts.

Depress and turn the key.

Each starting attempt should last for just a few seconds. Do not make consecutive attempts to start the engine without having waited at least 20 sec. between one attempt and the next, otherwise the battery will quickly run down and the starter motor could be damaged.



WARNING

Do not keep operating the starter motor when the engine has already started.

Damage to the starter motor due to failure to comply with these instructions will not be covered by the warranty.

After the engine has started:

- Release the key. It will automatically return to the operating position
- Release the clutch pedal
- Check the warning lights and instruments

As soon as the engine starts, the electronic device that automatically controls the fuel enrichment accelerates the engine until it reaches the best rate for ignition. Do not press the accelerator pedal during this phase.

How to stop the engine



WARNING

The steering action of the power steering system will be reduced if the engine accidentally stops. Depress the main brake to allow the machine to come to a full stop.



WARNING

Do not leave the tractor unattended with the ignition key inserted.

• Allow the engine to idle.



Depress the clutch pedal.



Move the **final drive** lever to the neutral position.



Move the lever used to select the independent or synchronized rear PTO to the neutral position.

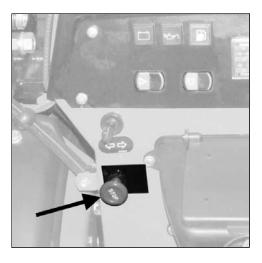


Move the lever used to select the PTO speed to the neutral position.



Apply the parking brake.

• Pull the knob Engine stop switch



- Turn the ignition key to position STOP.
- Remove the key and put it away in a safe place.

When the engine is off do not use electrical devices when not needed. These absorptions can download the batteries in a profound and damaging them.

HOW TO START AND STOP THE MACHINE

Safety frame



DANGER

The machine is equipped with a folding safety frame. Always keep the safety frame assembled in the correct vertical position during work.



DANGER

Never ever modify the structural components of the safety frame by welding on additional parts, making holes, grinding, etc. Failure to comply with these instructions could impair the rigidity of the frame and reduce the level of protection provided by the original equipment.



WARNING

If the tractor tips up or the safety frame or cab are damaged (e.g. owing to a collision), all the damaged structural components must be replaced in order to guarantee the original degree of safety.



WARNING

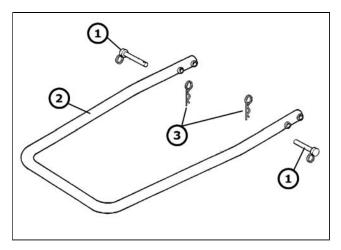
When in the horizontal position, the safety frame will provide no protection if the tractor tips up.



WARNING

Make sure that the roll bar is in the correct position before starting the engine.





Safety pin.

Safety frame.

3 Safety pin.

To lower the safety frame, on both sides:

- Remove the safety pin.
- · Remove the plug.
- Lower the safety frame
- Fit the plug into the second hole.
- Re-position the safety pin.

How to start the machine



DANGER

The machine could respond in a dangerous way if the clutch pedal is suddenly released.



WARNING

Engage the clutch gradually to prevent the machine from suddenly moving off or pitching up at the front.



WARNING

Make sure that the brakes are efficient before moving off.



IMPORTANT

Before starting the machine, make sure you become familiar with its main controls: brakes, transmission, PTO, diff lock and how to stop the engine.



IMPORTANT

Lengthy clutch disengagements could wear out the thrust bearing.



Depress the clutch pedal.

Select the transmission ratio (consult the Gearbox chapter).



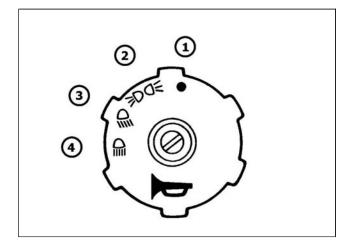
Disengage the parking brake.



Gradually release the clutch pedal.

Gradually accelerate the engine.

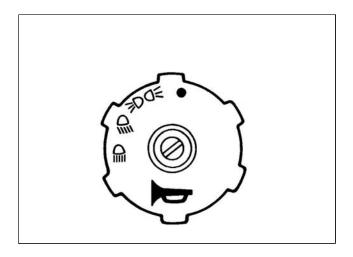
Light switch



- Turn the control to the required position:
- 1 Lights off OFF
- ② Side lights. ^{⇒o∉}
- 3 Dipped beam

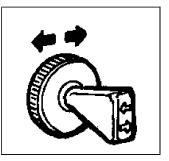
 □
- 4 Driving beam ■D

Horn



Press the control.

Turn indicator



Move the switch to the right to indicate that you are turning towards the right.

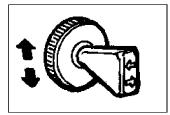
Move the switch to the left to indicate that you are turning towards the left.

The following symbols will light up:

- Tractor direction indicators green.
- Buzzer.

Move the switch back to the center once you have changed direction.

Flashing headlights



Push the switch down to flash the driving beams.

The following symbols will light up:

Driving beam indicator - blue.

Lights

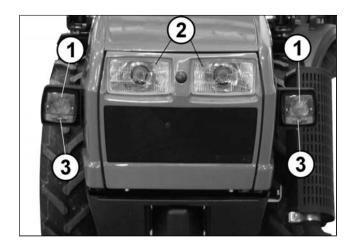


If the tractor must be driven on the public highways, the headlights must comply with the Highway Code regulations in force in the country of use.

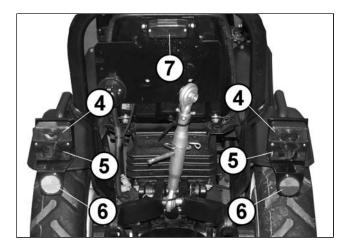


Use of driving beams is governed by the Highway Code in force in the country of use.

FRONT LIGHTS



REAR LIGHTS



- 1 Front turn indicator.
- (2) Headlight in dipped/driving positions.
- 3 Front side light.
- (4) Rear turn indicator.
- Rear side light.
 Rear brake light.
- (6) Rear reflector
- (7) License plate light.

How to stop the machine

Allow the engine to idle.



Depress the clutch pedal.

- Depress the brake pedal.
- Stop the machine.



Move the **final drive** lever to the neutral position.



Move the gearshift lever to the idle position.

• Remember to disengage the PTO if used.



Apply the parking brake.

TRANSMISSION

Main clutch



WARNING

NEVER attempt to drive up or down slopes with the clutch disengaged.



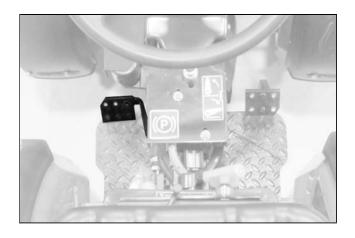
IMPORTANT

Remove your foot from the clutch pedal when not required. Do not ride the clutch.



IMPORTANT

Lengthy clutch disengagements could wear out the thrust bearing.



Transmits drive from the engine to the transmission.

Pedal up = clutch engaged (drive is transmitted). Pedal down = clutch disengaged (drive not transmitted).

Gearbox

The machine's transmission comprises a gearbox and final drive, each controlled by its own lever.

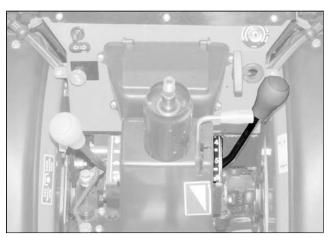
The speed at which you drive the machine must be chosen to suit:

- The work required.
- The implement used.
- The type of ground.



Consult the TECHNICAL SPECIFICATIONS

Gearshift lever



1·4 2·5 3·6

The lever can be moved in three positions (plus neutral):

14

1st Slow 1st Fast

Neutral

25

2nd Slow 2nd Fast

Neutral

36

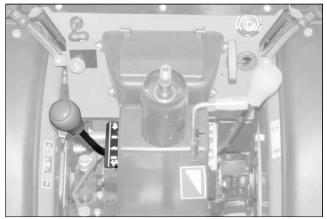
3rd Slow 3rd Fast

Selection is not synchronized.

To shift gear:

- Depress the clutch pedal.
- Select the required range.
- Gradually release the clutch pedal.

Final drive lever





The lever can be moved in three positions (plus neutral):



Reverse



Neutral



Low speeds (Tortoise)



Neutral



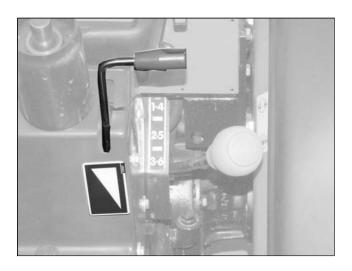
High speeds (Hare)

Selection is not synchronized.

To shift gear:

- Stop the machine.
- Depress the clutch pedal.
- Select the required range.
- Gradually release the clutch pedal.

Hand throttle



The throttle lever is located in the front right-hand side of the machine.

Increase or decrease the engine rate by gradually moving the lever.

Rear differential lock



DANGER

When the differential lock is engaged, the tractor cannot be steered.



IMPORTANT

Do not use the differential lock near or in bends and avoid using it in fast gears or with engine running at a high rate.





The tractor is equipped with a rear diff lock.

Use recommended for ploughing work or if one of the two driving wheels possesses insufficient grip owing to muddy, rugged or slippery ground.

The diff lock is mechanically controlled by means of the lever. It is unlocked by releasing the lever.

To get the most out of the device, engage the differential lock before the wheels begin to slip. Do not engage the lock while one wheel is already slipping.

If the diff lock fails to release, reduce the engine rate, stop the machine and release it by moving the steering wheel.

Front differential lock



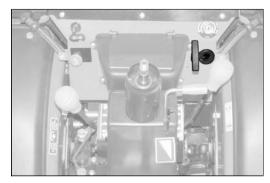
DANGER

When the differential lock is engaged, the tractor cannot be steered.



IMPORTANT

Do not use the differential lock near or in bends and avoid using it in fast gears or with engine running at a high rate.





The tractor is equipped with a front differential lock. Use recommended for ploughing work or if one of the two driving wheels possesses insufficient grip owing to muddy, rugged or slippery ground.

The front diff lock is mechanically controlled by means of the lever. It is unlocked by releasing the lever.

To get the most out of the device, engage the differential lock before the wheels begin to slip. Do not engage the lock while one wheel is already slipping.

If the diff lock fails to release, reduce the engine rate, stop the machine and release it by moving the steering wheel.

BRAKING SYSTEM

Main brake



WARNING
Make sure that the brakes are efficient before moving off.

Depress the brake pedal.

If the brake action becomes excessively spongy or the brakes reach end of travel:

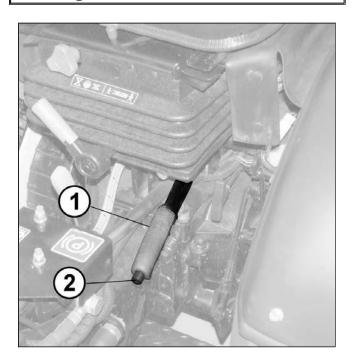
- Do not start the machine.
- Immediately identify the cause and eliminate the defect.
- Immediately contact your nearest authorized workshop if you are unable to repair the defect.



Do not keep your foot on the brake pedals when this is unnecessary.

The braking action of the machine is obtained by depressing the brake pedals

Parking brake



- Parking brake lever
- Button to release the parking brake lever.

The parking brake is the disc type, totally independent and mechanically controlled with a lever.

To engage the parking brake:

- · Pull the lever up:
- The red light on the dashboard comes on to indicate that the brake has been engaged.

To disengage the parking brake:

- · Pull the lever up:
- Press the release button.
- Completely lower the lever.
- The red light on the dashboard goes out to indicate that the brake has been disengaged.

POWER TAKE-OFF

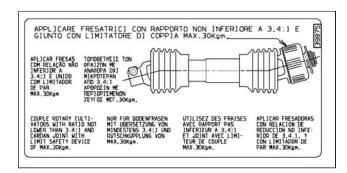
Rear power take-off (PTO)

Max stress on PTO (torque): 30 Kgm



WARNING:

Couple implements with ratio not lower than 3.4:1 and cardan joint with limit safety device of max Max. 30 Kgm.





WARNING

when the PTO is not used, move the mode selector lever to the Neutral or Independent position (depending on the model or version). This prevents the shaft of the PTO and other spinning components from accidentally turning.



WARNING

Do not remove or damage the protective plate



WARNING

Whenever the PTO is not in use, the drive shaft must be covered by the special guard.



IMPORTANT

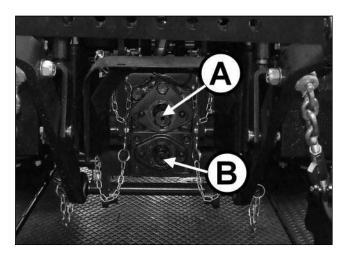
If implements that develop a high degree of inertia are connected to the PTO (such as lawn mowers, brushwood choppers, etc.), it is advisable to use a cardan-shaft transmission with "free wheel" device. This device prevents the implement from transmitting drive to the machine and allows it to stop as soon as the clutch is depressed.

The tractor has two shafts for the rear power take-off (PTO):

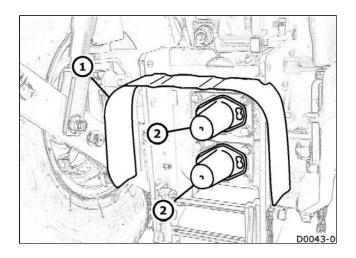
- Independent.
- Synchronised. •••

Both can have two speeds:

- Slow. 540 rpm
- Fast. 540E (750 rpm)



- Power take-off
 Clockwise rotation
- Power take-off
 Counter-clockwise rotation



- 1 Metal plate protection.
- 2 PTO shaft guard.

Independent PTO



It does not depend on the ground speed of the machine and can be operated when this is either at a standstill or on the move.



WARNING

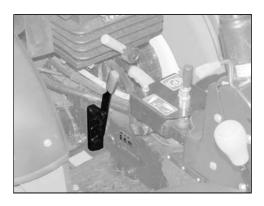
To prevent injuries:

the safety device will prevent the engine from starting when the PTO mode selector lever is in the Independent position.



DANGER

The machine could respond in a dangerous way if the clutch pedal is suddenly released.





- Depress the clutch pedal.
- The PTO mode selector lever must be in the Independent opposition.





Use the gearshift lever of the PTO to select the best rate.

Having finished work, remember to move the PTO's speed selector lever to the Neutral (Idle) position.



Use of the machine's clutch pedal shuts off the rotational drive transmitted by the PTO's shaft.

Synchronized PTO



Synchronised with all gears.

This PTO is used for trailers with driving wheels.

Used in difficult operating conditions (steep slopes, muddy or slippery ground).



DANGER

The machine could respond in a dangerous way if the clutch pedal is suddenly released.



WARNING

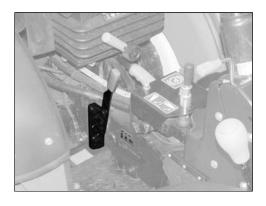
To prevent injuries:

the safety device will prevent the engine from starting when the PTO mode selector lever is in the Synchronized position.



IMPORTANT

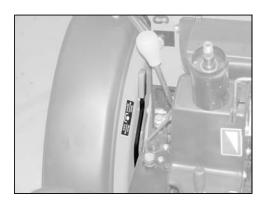
Do not use the synchronized power take-off near or round very tight bends.





Depress the clutch pedal.

- · Locking lever
- Move the PTO mode selector lever to the Synchronized position.





 Use the gearshift lever of the PTO to select the best rate.

Having finished work, remember to move the PTO's speed selector lever to the **Neutral** (Idle) **position**.



WARNING

when the PTO is not used, move the mode selector lever to the Neutral or Independent position (depending on the model or version). This prevents the shaft of the PTO and other spinning components from accidentally turning.

Table of PTO speeds

UPPER PTO

PTO speed selector lever	Turning direction:	Ratio	PTO idling rate	Engine RPM
540	Clockwise rotation	5,28	540	2850
540E		2.50	750	2690
340E	1-3/8" profile with 6 splines	3,59	540	1938

LOWER PTO

PTO speed selector lever	Turning direction:	Ratio	PTO idling rate	Engine RPM
540	Counter-clockwise rotation	5,28	540	2850
F40F		2.50	750	2690
540E	26 UNI 220 profile	3,59	540	1938

Table of Synchronized PTO speeds

These are the revolution of the PTO for every wheel revolution

UPPER PTO

PTO speed selector lever	Ratio
540	15 042
540E	15,043

LOWER PTO

PTO speed selector lever	Ratio
540	15.042
540E	15,043

Universal joint



Consult the specific manual for instructions about how to use and service certain of the machine parts manufactured by third parties, in safe conditions.



WARNING

To ensure that the universal joint functions correctly and to prevent the components from being demaged, remember that the extent to which the universal joint can technically slant depends on the size and shape of the PTO guard as well on the shape and size of the universal joint itself and its protection devices.

The angle at which the universal joint can slant may therefore vary.



WARNING

Use only power take-off drive shafts with adequate guards.

REAR POWER LIFT

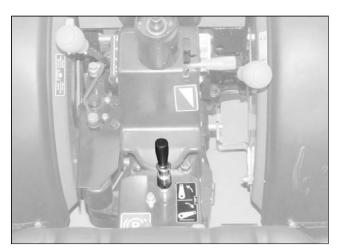
It is a 3-point rear hydraulic power lift controlled by means of the valve system.



The following conditions of use are available:

• Up-down

Up-down





It is a 3-point rear hydraulic power lift controlled by means of the valve system.

- Lever back = Implement lifted.
- Lever forward = Implement lowered (floating mode for implements that must follow the contours of the ground).
- Lever in intermediate position = Locks the implement at various heights.

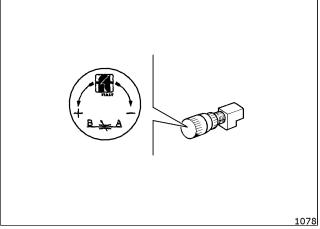
Power lift speed and sensitivity adjustment



IMPORTANT

Fully screw-in the adjuster to lock the implement in both the raised and lowered position. This provides a safety function when implements are transported on the roads.





Screw out this regulator to increase lift lowering speed.

THREE POINT HITCH

Rear 3-point hitch



DANGER

Keep well away from the hitching zone when you are checking the three point hitch.



WARNING

Do not service, repair or make any kind of adjustment to the tractor or to the implements hitched to it without having first turned off the engine, removed the ignition key and lowered the implement to the ground.



IMPORTANT

Do not use the power lift's third-point as a towing hitch.



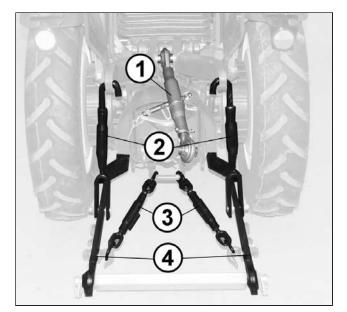
DANGER

Do not wear loose clothing, jewelry, neck chains or bracelets and take care if your hair is very long as it could become caught up in parts of the machine and implements.



IMPORTANT

Keep the chains taut and the power lift raised when driving the machine with implements coupled to the three-point linkage.



Class 1N

Top link linkage

Adjustable rod

Side chains

Power lift lower link

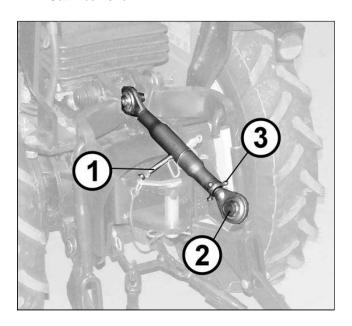
The machine is equipped with a three-point hitch. To

ensure that the hitch always functions correctly, always make sure that the size and weight of the implements correspond to the specifications of the hitch and power lift.

Top link linkage

Adjustable implement hitch end fitting

Cat.1 ball end



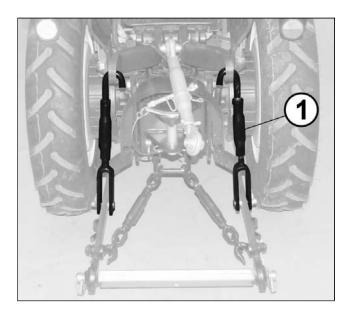
Adjust the length of the top link linkage to change the angle at which the implement digs into the ground.

Turn the top link to obtain the required length, using the lever 1

The ball-shaped implement hitch coupling ② is cat 1.

Tighten the ring nut 3 to lock the top link in the required position.

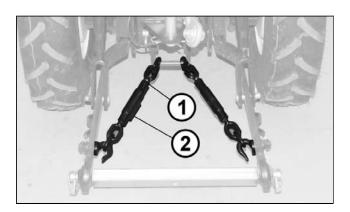
Adjustable rod



Adjust the adjustable rod so as to level and align the power lift's lower linkages to suit the implement used and the type of job that needs to be done.

To adjust the rod, turn the handle clockwise to raise the lower link or anti-clockwise to lower it until reaching the desired height.

Stabilizer chains



Adjust the side chains to limit the sideways movement made by the lower link of the power lift::

To adjust the chains, unscrew the retainer nut tighten or loosen the chain by means of the handle until the required amount of swing has been obtained then retighten the nut to lock the chain in place.

50-60 mm swing for ploughs, rotary harrows, etc. 10-50 mm swing for levelling blades, hoes, etc. 0 mm for transporting implements when they are not working.

Implement hitch end fitting



Cat.1 ball end

TOWING ATTACHMENTS



WARNING

The machine could jack up if the towing device is used in the highest position.

 Keep well away from the zone between the tractor and the towed vehicle.



Choose the towing attachment to suit the type of trailer or implement towed, in compliance with the current laws in force.



The ease with which the machine can be driven also depends on the correct use and successive height adjustment of the towing device.



Keep the drawbar as horizontal as possible when using a trailer with synchronized drive.

Towing the machine

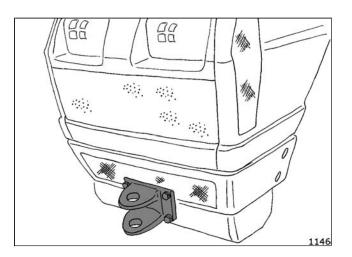
Only use, for both machines (the one that tows or the towed machine), the normal towing devices (drawbar or tow hook).

For connecting the two machines, only use a safe, strong, special chain or rope designed for this particular purpose.

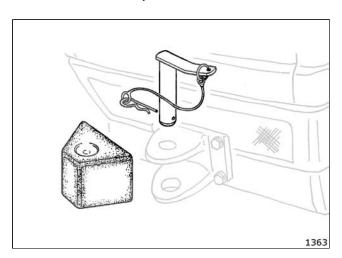
NOTE:

- The tractor must only be towed over short distances and not on public highways.
- The speed must not exceed 10 kph.
- An operator must remain seated in the driver's seat of the towed tractor.

Front tow hook



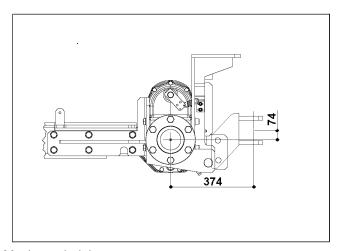
The machine is equipped with a front tow hook allowing emergency trailer manoeuvres to be made or for towing the machine if necessary.



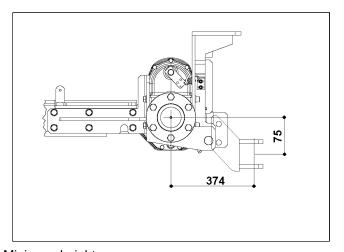
CUNA Class tow hook cat B

The tractor can be equipped with a rear tow hook of the "CUNA" Cat. B for towing trailers with one or two axles.

Approval code DGM-GA 2968 B



Maximum height



Minimum height

Tow hook adjustment (dimensions in mm).

Tyres	Max vertical load	Kg
6.00-16"	320	

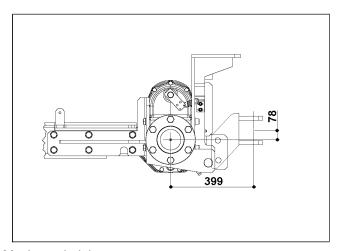


The values shown are valid only for tractors not equipped with ballast

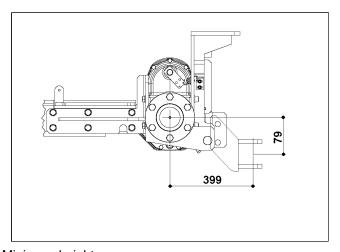
EEC Class tow hook

The tractor can be equipped with a rear tow hook of the "EEC" for towing trailers with one or two axles.

Approval code e11-1567



Maximum height



Minimum height

Tow hook adjustment (dimensions in mm).

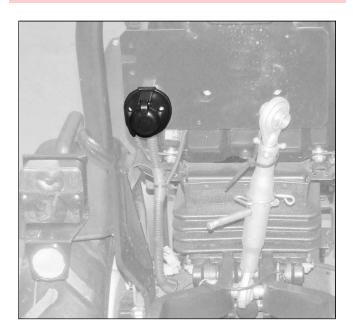
Tyres	Max vertical load	DaN
6.00-16"	300	



WARNING

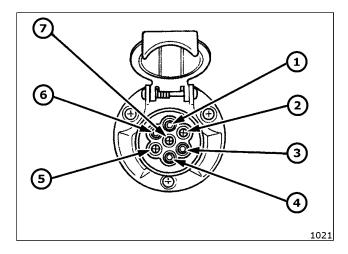
The values shown are valid only for tractors not equipped with ballast

Seven-pin trailer socket



This seven-pin socket is used to connect lights, turn indicators and other electrical devices for a trailer or implement.

Supplementary lights must be used if an implement obscures the turn indicators or other lights at the rear of the machine.



Terminal functions:

- 1 Left turn indicator.
- Vacant
- (3) Ground.
- 4 Right turn indicator.
- 3 Right rear light.
- 6 Brake lights.
- (7) Left rear light.

BALLAST

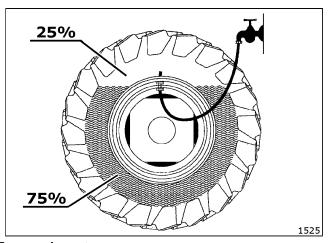
Wheel ballasting by filling the tyres with fluid

The driving wheels are ballasted by pouring water into the tyres.

Note: it is preferable to use wheels with air chambers.

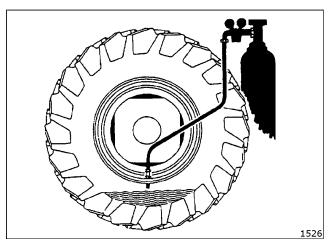
Note: if wheels with tubeless tyres are used, ask your dealer how to correctly lubricate the disc so as to prevent it from rusting.

Note: add antifreeze to the water in cold weather.



To pour in water:

- Move the valve to the top.
- Unscrew the mobile valve union with caution.
- Put in water through a special tool.
- Stop filling every so often, so as to allow the air to escape.
- Stop filling altogether when water spills from the valve.
- The filling level must equal 75% of water.
- Tighten the mobile valve union.
- Inflate with air until the normal operating pressure is obtained.



How to drain out the water:

- Move the valve to the bottom.
- Unscrew the mobile valve union with caution.
- Allow the water to drain out.
- Finish emptying with a union and draw pipe.
- Inflate with air until the water has been completely emptied out.
- Tighten the mobile valve union.
- Inflate with air until the normal operating pressure is obtained.

LIFTING POINTS

Hydraulic jack:

Consult your operation and maintenance manual for instructions about maintenance and how to perform the servicing operations.



WARNING:

Make sure that the devices have been fixed correctly before using the hydraulic ram.

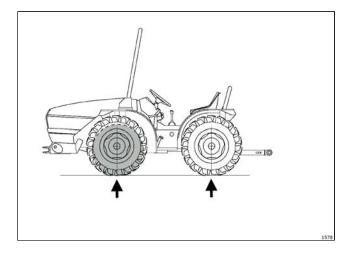


WARNING:

Do not use the tow hook as a lifting point.

The recommended lifting points are:

- Front axle Wheel hubs
- Rear side Brakes



Use the plates on the wheel hubs as lifting points

FRONT LOADER FIXING POINTS

There are no fixing points for a front loader on the machine



WARNING:

The machine cannot be fitted with a front loader.

SCHEDULED SERVICING



WARNING

Check the levels:

- Before using the machine
- With the machine at a standstill and the engine off (for at least the past hour).
- On a flat surface.

SCHEDULED SERVICING

The user must have the machine itself regularly serviced to ensure that it continues to function correctly, and to benefit from the manufacturer annual warranty coverage. Most especially, the user must, at his expense, have all the following routine servicing work performed on his machine by his manufacturer area "Dealer" or "Authorized Workshop" in accordance with the peremptory conditions and terms indicated below.

A series of symbols have been make to make the texts easier to understand. Their meanings are described below:



Instructions





Clean with compressed air



Adjustment



Lubrication



Greasing



Fluid changes



Part replacements



Set intervals



Washing



Work hours



When necessary.



Top up the level.



Top up the level.





DANGER

Do not wear loose clothing, jewelry, neck chains or bracelets and take care if your hair is very long as it could become caught up in parts of the machine and implements.



DANGER

Do not leave the engine running in an closed room: the exhaust fumes are poisonous.



DANGER

After any maintenance work, grease and remove the grease from the engine to prevent the risk of a fire.



DANGER

Keep hands and other parts of the body away from holes or leaks in the hydraulic system: the hydrualic fluid that spurts from the leak is under pressure and can cause serious injuries.



WARNING

Do not service, repair or make any kind of adjustment to the tractor or to the implements hitched to it without having first turned off the engine, removed the ignition key and lowered the implement to the ground.



WARNING

Always park the tractor so that its stability is guaranteed by applying the parking brake and engaging a gear (1st gear uphill and reverse downhill) and applying the parking brake. Use a chock for greater safety.



WARNING

Before driving the machine, check to be sure that there are no bystanders or animals within its range of action.



WARNING

Do not leave the machine unattended with the engine running and/or the key in the ignition.



WARNING

The operator must check to make sure that all parts of the tractor, especially the safety devices, are in a good working condition and that they always comform to the purpose for which they were designed. They should be kept in a perfectly efficient condition. If you note any defects or faults, fix or repair them in good time. If necessary contact your nearest Assistance Centre.



IMPORTANT

Check the nuts and bolts of the wheels and safety frame from time to time, always with the engine shut off.



DANGER

Safety decals have been affixed to various parts of the machine. They indicate potential dangers.



IMPORTANT

The decals must be kept clean and legible. If damaged, they must be replaced.



WARNING

In case of maintenance on the electrical system, disconnect the circuit using the battery main switch or disconnect the ground cable (negative pole "-" symbol) battery.



WARNING

Work on the battery requires particular care: battery acid is corrosive and the gases released are inflammable.



It is of fundamental importance to safeguard the environment. Incorrect waste disposal can alter the environment and the ecological system.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.



Do not use food or dink containers, which could lead to mistakes, to drain off fluids like fuels, lubricants, coolants or other.



Contact an authorized organization or ask your dealer for advice about how to recycle or dispose of waste products in the correct way.



Do not dispose of parts of the cooling system (such as radiators, fluids, tanks, etc.) in the environment.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

Routine scheduled maintenance

WARNING

The following table shows the maintenance intervals.

Extraordinary Maintenance:

Workir	ng range	Hours	50	8	16	200	M
		Months	12			12	A.
\Box	Engine oil				0		₩
	Engine oil filter						
	Fuel filter						
	Fuel tank						
	Air filter in oil bath						

Working range	7	Hours	50	50	400	800	<u> </u>	
		2	Months	12		12	12	J.
\Diamond	Gearbox housing				©			
	Intake transmission oil filter							
	Rear differential, lift casing	I			©			
	Mechanical steering box				©			⊕ ₩
	Grease nipple				~			
	Clutch							
	Steering							7
	Brakes							F
	Hydraulic pipes							
	Electrical system				@			

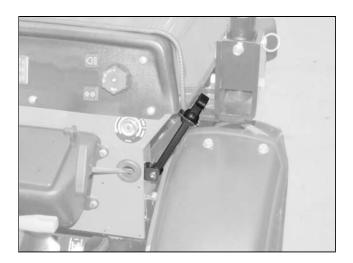
ENGINE UNIT

Engine



Consult the specific manual for the safety notes and operation and maintenance instructions for certain of the components manufactured by other companies.

How to open the bonnet



Release the rods and lift the bonnet.



Use the rod to block the engine hood



Engine oil level check



See engine's operation and maintenance manual.



DANGER

Take great care when used oil is being drained from the sump as it could be very hot and cause burns.



WARNING

Stop the engine and wait until it has cooled down before proceeding with any servicing operations.



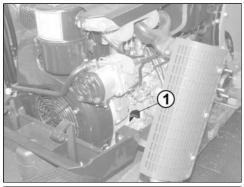
DANGER

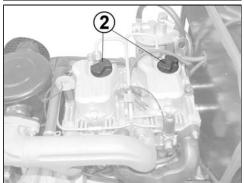
Protect your hands, because the oil could burn if it is very hot.



DANGER

Protect your hands, because the dipstick could be very hot and cause burns.





- 1
- Oil level dipstick.
- Oil top-up plug.





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Check the oil level by means of the dipstick (MIN-MAX)





- Unscrew the oil top-up plug.
- Top up the level.
- Screw the plug back on and tighten it fully.

We recommend Arbor oil by Petronas Lubricants: **ARBOR UNIVERSAL 15W-40**





See engine's operation and maintenance manual.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

Air filter in oil bath



N &

WARNING

Stop the engine and wait until it has cooled down before proceeding with any servicing operations.



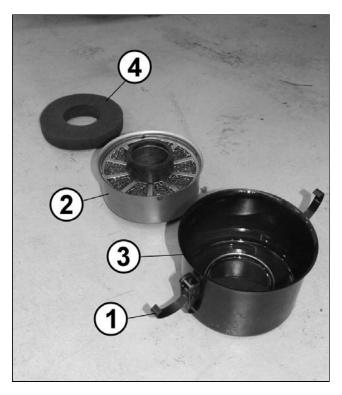
See engine's operation and maintenance manual.

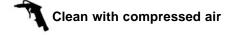




16









Keep the following parts clean:

Uncouple the two levers ①, and remove the filter ② from the oil reservoir.

Clean the filter by lightly blowing compressed air at a pressure of **not more than 7 bar** through all the pleats.

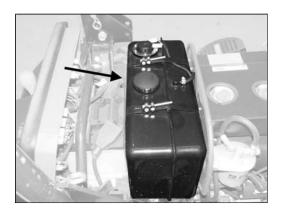
4 Clean the filter, change it if necessary





Replace the oil in the basket 3

Fuel tank



Release the rods and lift the bonnet.





Check:

- To make sure that there is sufficient fuel for the whole job.
- To make sure that there are no dents or abrasions on the tank.





Clean the zone surrounding the tank plug.





Use good quality fuel with the technical specifications described in the engine's operation and maintenance manual.



WARNING

Top up the fuel level when the engine is off. Do not smoke near fuel or when the tank is being filled.





Replace the fuel plug with a genuine spare if it is missing or damaged.

Replace the tank with a genuine spare if it has been damaged by scratches, abrasions or dents.



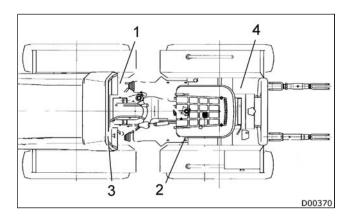
Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

TRANSMISSION UNIT

Oil supply

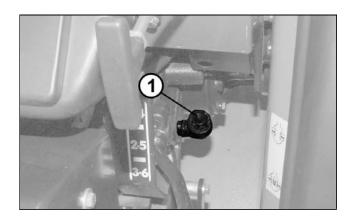


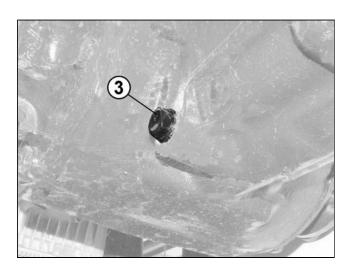




- Oil level dipstick.
 Gearbox housing, front differential
- Oil level dipstick.
 Rear differential, lift casing
- Plug oil draining Front differential
- Plug oil draining
 Rear differential housing

GEARBOX HOUSING, FRONT DIFFERENTIAL





- Oil level dipstick.
 Gearbox housing, front differential
- Plug oil draining Front differential





Check the oil level by means of the dipstick (MIN-MAX)

If necessary, top up with oil of the recommended type. We recommend Arbor oil by Petronas Lubricants: **ARBOR TRW 90**





Keep the following parts clean:

• The zone surrounding the plug with the dipstick.





800

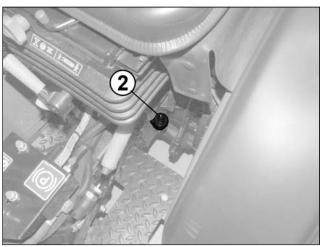
Quantity 6.25 L

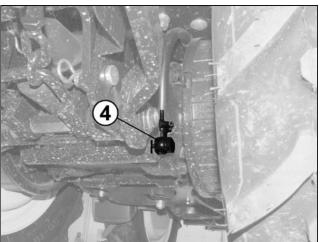
Drain out the oil through the plug.
Oil filling: by means of the dipstick.
Allow the oil to settle before checking the new level.

Comply with the following instructions whenever the transmission oil is changed:

Clean the transmission oil filter on the intake.

REAR DIFFERENTIAL, LIFT CASING





- Oil level dipstick.
 Rear differential, lift casing
- Plug oil draining
 Rear differential housing





Check the oil level by means of the dipstick (MIN-MAX)

• The oil bleeder plug is located on top of the power lift housing, under the seat.

If necessary, top up with oil of the recommended type. We recommend Arbor oil by Petronas Lubricants: **ARBOR UNIVERSAL 15W-40**





Keep the following parts clean:

• The zone surrounding the plug with the dipstick.





800

Quantity 7 L

Drain out the oil through the plug.
Oil filling: by means of the dipstick.
Allow the oil to settle before checking the new level.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

Intake transmission oil filter



DANGER

Protect your hands, because the oil could burn if it is very hot.







Clean the transmission oil filter:

- After the first 50 hours service.
- Whenever the oil is changed.
- After every 400 hours service.

To clean the filter:

- Unscrew the bolts that fix the cover.
- · Remove the filter.
- · Wash with gasoline or diesel fuel.
- Dry with compressed air.
- Fit the cover back on and close it.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

Brakes





Make the adjustment when:

- The brake pedal travel is too long or spongy.
- When one of the wheels brakes differently from the others.
- When the braking distances increase but the conditions of use are the same.

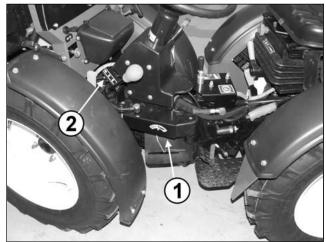


IMPORTANT

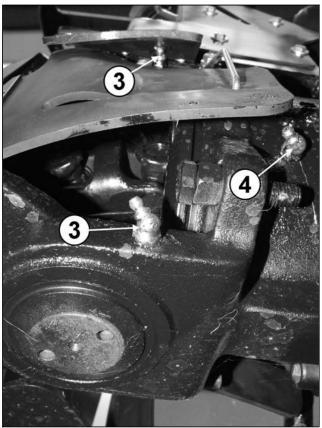
Only your dealer or specialized personnel may adjust the braking system.

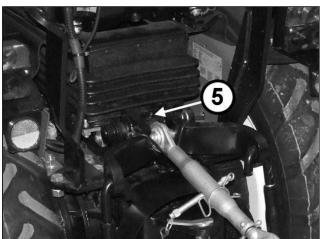
GREASE NIPPLE

Grease nipple









- 1 Steering cylinder
- 2 Clutch cable
- 3 Central articulation 2 grease nipples (bottom and top)
- 4 Axial
- Rear power lift

ELECTRICAL SYSTEM



WARNING

In case of maintenance on the electrical system, disconnect the circuit using the battery main switch or disconnect the ground cable (negative pole "-" symbol) battery.

Battery



WARNING

Work on the battery requires particular care: battery acid is corrosive and the gases released are inflammable.







50

Make sure that the battery is firmly fixed to the machine.



Clean

Keep the battery clean with a damp, antistatic cloth. Keep the battery poles and cable terminals clean.





Lightly grease the poles and terminals when necessary. Use Vaseline-based grease, not normal grease.





Check the level of the battery acid and keep it topped up so that the battery elements are always covered. Add distilled water with the engine off and well away from naked flames.

For I

Idle periods

If the machine remains idle for a long period of time:

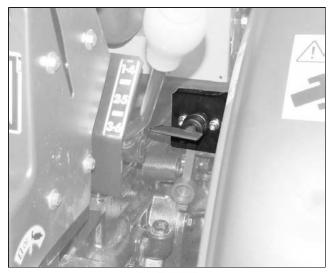
- Charge the battery as indicated by the manufacturer.
- · Disconnect both the cables.
- Store the battery in a cool, dry, well ventilated place.

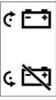




If the battery must be replaced, make sure the new one possesses identical technical specifications (the values are given on the actual battery itself).

Battery main switch





Battery disconnector

This device safely and correctly disconnect the electrical system. Use it when the machine will not be used for a long period of time and when you need to work on the electrical system in safe conditions.

Headlights



If the tractor must be driven on the public highways, the headlights must comply with the Highway Code regulations in force in the country of use.





Consult specialized personnel in possession of the specific tools required in order to have the headlights adjusted correctly.



IMPORTANT

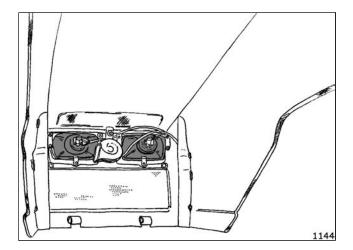
The service must only be performed by the dealer or by specialized technicians.





Replace burnt-out light bulbs with others if identical technical characteristics (see indications on the bulbs themselves).

Consult specialized personnel if in doubt.



To change the dipped beam / driving beam:





Figure 1

Figure 2





Figure 3

Figure 4

- Open the bonnet:
- Disconnect the wiring of the defective bulb (Figure 1).
- Remove the protective cover (Figure 2)
- Remove the retainer spring by pushing the 2 tabs downwards while turning them in the anti-clockwise direction (Figure 3).
- Remove the bulb and fit a new one in its place (Figure 4).
- Fit the spring and the protective cover back in place.
- Connect the wiring to the bulb.
- · Close the bonnet
- Test both the dipped beam and driving beam to make sure that they function correctly

Rear lights

To replace the side light and/or the turn indicator light:



Figure 1



Figure 2



Figure 3

- Disassemble the headlight protection (figure 1)
- Remove the glass holder (figure 2)
- Remove the bulb by turning it 1/4 of a turn in the anti-clockwise direction (figure 3)
- Fit a new bulb in its housing, push it into place and turn it 1/4 of a turn in the clockwise direction.
- Re-assemble the glass holder and protection
- Perform an operating test

Proceed as described below to change the license plate light bulb:



Figure 1



Figure 2

- Remove the tail lamp cover (figure 1)
- Remove the bulb by turning it 1/4 of a turn in the anti-clockwise direction (figure 2)
- Fit a new bulb in its housing, push it into place and turn it 1/4 of a turn in the clockwise direction.
- Fit the tail lamp cover back in place
- Perform an operating test.

Side lights and turn indicators





To replace the side light and/or the turn indicator light:

Replace burnt-out light bulbs with others if identical technical characteristics (see indications on the bulbs themselves).

Consult specialized personnel if in doubt.



Figure 1

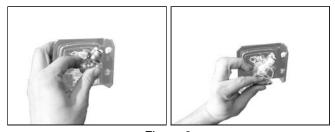
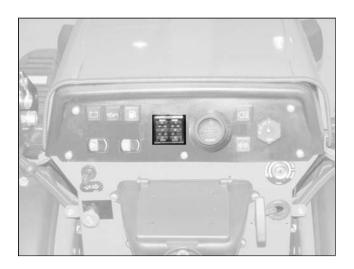
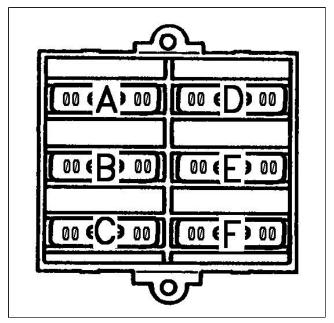


Figure 2

- Remove the tail lamp cover (figure 1)
- Remove the bulb by turning it 1/4 of a turn in the anti-clockwise direction (figure 2)
- Fit a new bulb in its housing, push it into place and turn it 1/4 of a turn in the clockwise direction.
- Fit the tail lamp cover back in place
- · Perform an operating test.

Fuses





The electrical system is protected by fuses against short circuits or abnormal power draw.





Before changing a fuse, find and eliminate the short circuit that caused it to blow.

Replace the burnt-out fuses with others possessing the same technical characteristics (see indications on the actual fuse itself).

Consult specialized personnel if in doubt.

FUSE FUNCTIONS:



Right rear side lights.

B ⋒ 7.5A

Dipped beam

© 🖟 10A

Current regulator

Left front side light.

€ 🖟 10A

Driving beam

€ 🖟 10A

Tractor direction indicators - green. Horn.

The tractor's electric system is also protected by a maxi knife-blade fuse rated at 50 A located inside the dashboard.



General protection of electrical system.

BODYWORK



WARNING

If you use jets of pressurized water for cleaning, direct the jet well away from:

- Components of the electrical system.
- Tyres
- Hydraulic pipes
- Radiator.
- Electrical components.
- Soundproofing seals.
- Other components that could be damaged by the pressure of the water.



Periodically check the condition of the bodywork.

To ensure long life, have abrasions and deep scratches repaired by specialized personnel.

Make sure that water does not remain in hidden parts of the bodywork.



Clean

Clean the bodywork with a normal solution of water and a specific shampoo:

- When needed if the tractor is used in a normal environment.
- Frequently if it is used in places near the sea.
- Immediately after using organic substances or chemicals.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

ENGINE				
Тур	e	Lombardini 12LD 477/2		
Rated power	Kw (hp) / rpm	16 (22) / 3000		
Cylinders	N	2		
Cooling		Air		
Displacement	CC	954		
Torque reserve		7,9%		
Fuel tank	L	24		

TRANSMISSION				
N° speed gears	6 FWD + 3 REV			
Clutch		7"		
		Dry single-plate		
Direction reverser		Not installed		
Rear differential lock		Mechanical		
Front differential lock		Mechanical		
Speed	Kph	19		

BRAKES AND STEERING SYSTEM				
Type of brakes Rear brakes, drum type. Mechanical control				
Type of steering system	Hydraulic			
Steering angle	45°			

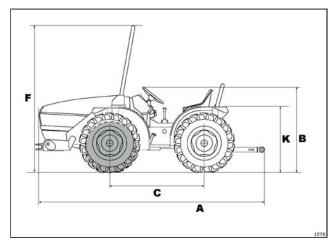
POWER TAKE-OFF					
	Upper PTO		540/540E (750 Rpm)		
Cladruica ratation	Clockwise rotation Type Clutch	Independent - Synchronized			
		Clutch	Dry plate type		
Rear	1-3/8" profile with 6 splines		Mechanical		
Lower PTO	Speed	540/540E (750 Rpm)			
	Country alcolouing retation	Туре	Independent - Synchronized		
	Counter-clockwise rotation	Clutch	Dry plate type		
	26 UNI 220 profile	Control	Mechanical		
	•		/		
Front		Туре	/		
		Clutch	1		
		Control	1		

POWER LIFT				
	Туре		Up-down	
Rear	Lifting capacity	Kg	500	
	3-point hitch		Class 1N	

HYDRAULIC CIRCUIT		
Pump capacity	lt/min.	18.5
Rear hydraulic control valves		/

DRIVER'S POSITION			
Platform	Not installed		
Safety frame.	Folding roll bar		
Instrumentation	Analog		
Seat	Adjustable in the horizontal and vertical directions and installed on type-approved elastic suspensions.		
Tow hook	Type CUNA - Cat. BCEE Cat.		

DIMENSIONS AND WEIGHTS



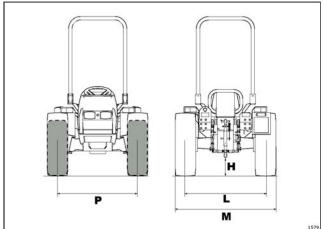


Table of Machine Dimensions and Weights

The data are calculated with wheels: 6.00-16"

Α	Max length	mm	2500
М	Min - max width		800 - 810
F	Height to chassis	mm	1750
С	Wheelbase	mm	1000
P L	Min - max Front track Min - max Rear track	mm	640 - 680
	Weight with safety frame	Kg	750
	Minimum turning radius without brakes	mt	1,2

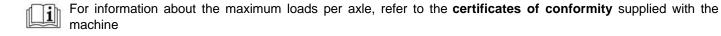
Engine

For the engine dimensions and weights:



See engine's operation and maintenance manual.

Maximum load per axle



	Loading capacity	Maximum load per axle (kg)		Total weight
Tyres	Kg	Front	Rear	Kg
6.00-16"	750	460	730	1190

WHEELS

Tyres



WARNING

The tyres must only be changed by competent persons in possession of the necessary equipment and technical know-how.



DANGER

It is absolutely essential to avoid:

- Improper use.
- Overloads (even localized).
- Unsuitable pressure.
- Unsuitable rim and tyre couplings.

Tyre life and performance depends on use of the correct operating pressure: if the pressure is too low, the tyre will quickly wear out while an excessive pressure will reduce the lugging power and make the wheels more liable to slip.

A correct tyre pressure depends on various factors:

- The operating conditions.
- Machine load.
- Machine model.
- The tyre make.
- The tyre size.

You are therefore advised to consult your dealer or the tyre manufacturer.

The values given below are only approximate as they depend on the conditions described above:

Table of tyre inflation pressures

Tyres	Bar (MAX)	kPa (MAX)	Position
6.00-16"	1,6	160	Front and Rear

SPEEDS

Speed Chart

In **kph** with engine at 3000 Rpm and 6.00-16" wheels (Speeds are purely indicative)

	Forward	Reverse
1° normal speed	1.2	0.8
2° normal speed	2.5	1.7
3° normal speed	3.9	2.6
1st Fast	5.6	/
2nd Fast	12.0	/
3rd Fast	18.4	/

NOISE

Table of maximum noise levels

Model	Variant/version	Type-approval N°	Maximum noise level perceived at driver's seat dB (A)	Noise level of the moving tractor dB
			Chapter II	
BASE 20	YB2100	e1*2003/37*0384	85	77

Noise level information



The values of the noise produced by the tractors described in the Operation and Maintenance Manual, are given in compliance with Directive 77/311/EEC concerning noise levels perceived by the driver of wheeled agricultural tractors.



Since it is impossible for the manufacturer to foresee the normal working conditions in which the agricultural tractor will be operated by the user, the noise levels have been defined in accordance with the methods and conditions conforms to Directive 77/311/EEC (repealed by 2009/76/EEC) concerning noise levels perceived by the driver of wheeled agricultural tractors.

Annex 6 of directive 2009/63/EEC concerning the noise level of the moving tractor.

Recommendations for the user





IMPORTANT

Remember that the agricultural tractor may be employed in different ways, and may be connected to an infinite number of implements. In order to ensure that drivers are protected against risks deriving from exposure to noise, the entire tractor-implement group must be considered.





IMPORTANT

In view of the above-mentioned noise levels and the consequent health risk, the user must adopt the appropriate precautionary measures, as required by regulations in the country.

RECOMMENDED LUBRICANTS AND FLUIDS

Original lubricants

Genuine Lubricants **ARBOR PETRONAS** by **LUBRICANTS**

ARBOR ALFATECH SYNT 10W-40 oil

- Viscosity at 100° C (mm2/s) 14
- Index of viscosity 158
- Flash point V.A. (°C) 200
- Pour point (°C) -33
- Mass Volume at 15 °C (kg/l) 0.875

ARBOR UNIVERSAL 15W-40 oil

- Viscosity at 40° C (mm2/s) 110
- Viscosity at 100° C (mm2/s) 14
- Viscosity at -15° C (mPa.s) 3450
- Index of viscosity 135
- Flash point V.A. (°C) 220
- Pour point (°C) -36
- Mass Volume at 15 °C (kg/l) 0.886

ARBOR TRW 90 oil

- Viscosity at 40° C (mm2/s) 135
- Viscosity at 100° C (mm2/s) 14.3
- Viscosity at -26° C (mPa.s) 108000
- Index of viscosity 104
- Flash point V.A. (°C) 220
- Pour point (°C) -27
- Mass Volume at 15 °C (kg/l) 0.895

ARBOR MTA oil

- Viscosity at -40° C (mPa.s) 28000
- Viscosity at 40° C (mm2/s) 35.5
- Viscosity at 100° C (mm2/s) 7.5
- Index of viscosity 160
- Flash point V.A. (°C) 200
- Pour point (°C) -40
- Mass Volume at 15 °C (kg/l) 0.870
- Colour red

ARBOR MP Extra grease

- NLGI grade 2
- Manipulated penetration (60)(dmm) 285
- Dropping point (°C) 190
- 4 weld load balls (kg) 300
- Basic oil viscosity at 40°C (mm2/s) 200

ARBOR BRAKE D4 oil

- Viscosity at 100° C (mm2/s) 2,5
- Viscosity at 40° C (mm2/s) 1280
- Mass Volume at 15 °C (kg/l) 1,075
- Dry boiling point (°C) 278
- Wet boiling point (°C) 187

Original protective fluids

ARBOR original protective fluids by PETRONAS **LUBRICANTS**

PARAFLU 11 antifreeze fluid

- Density at 15°C (g/cc) 1.135
- pH (dil. 50%) 7,7
- Alkaline reserve (ml HCl 0.1 N) 16
- Boiling point (dil. 50%) (°C) 108
- Graining point (dil. 50%) (°C) -38
- Foam at 88°C (cc) 50

PROBLEMS AND SOLUTIONS

GENERAL

Engine

Engine

Engine: does not start

- Check the condition of the battery:
 - o check the battery terminals: make sure that they have been tightened correctly, remove any turn or or tarnish:
 - o either recharge or replace the battery if it has discharged
- Check the starter motor
 - o have this done by a motor-vehicle electrician

Engine: difficult to start

- Check:
 - Fuel level
 - Whether the fuel filter is clean (replace it if necessary)
- Injection system efficiency
 - Check whether there is air in the circuit: bleed the circuit if necessary. If the engine is still difficult to start, check the injection pump settings and injectors.
 - Check the glow plug preheating system. This operation may only be performed by an authorized workshop
 - Not enough compression. Have the compression checked by an authorized workshop

Light coloured smoke from exhaust

- Inefficient injectors: have the injectors checked by an authorized workshop
- Injection pump fase not in the best condition: have the machine checked by an authorized workshop

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IDENTIFICATION CARD OF THE MACHINE

We will be able to provide you with better and faster service if you fill out the form below.

Please give the information indicated in this page for a clear and immediate reply (whenever you call the Technical Assistance Service or the Spares Assistance Service)

Type of machine		
Model / Version		
Identification number (serial number).		
Series		
Information about manufacturer and/or importer		
Name		
Address		
Telephone / internet / email		
Owner or operator		
Name		
Address		
Telephone / internet / email		

DECLARATION OF CONFORMITY





GOLDONI S.p.A. a s.u. Via Canale, 3 - 41012 Migliarina di Carpi - Modena - Italy •
Tel +39 0522 640111 - Fax +39 0522 699002 • info@goldoni.com; • PEC: goldonispa@legalmail.it • goldoni.com •
P.IVA / VAT, CF e Iscrizione Registro Imprese N°: 00171300361 - CCIAAN.REA: MO/72133
Direzione e coordinamento: LOVOL HEAVY INDUSTRY Co. LTD. • Capitale sociale i.v. / Share capital € 1.000.000

EC DECLARATION OF CONFORMITY

DEMINAZIONE IL CONFONTACIO. CENTIFICATI DE CONFONTATE CENTICA CONFONTATION CONFONTACIO CONFONTACIONE CONFONTACIONE

THE UNDERSIGNED

ILSOTTOSCRITO. ESOUSSIGNE DE UNITEZEICHNER. VO SUSCRITO. EU ALAMO ASSMADO. DORRINGANIST. NEZ POD EPANY. UNDERTEGNEDE ALLAKBUTARU. O IMPOSTORU. ESPENDA PORTAGES, PARA MESTITALS. AU LUIROTT. DER INglesel dilma l'abu en talt. Ondergrabac-de. Nej poppary. Sebramenti. DOLU POD PISMY? - Pubpani. ALLERGOTTARUT. UNDERTECNEMO. DESTREGREGE. SAS DOLA MILIZONI MESTARUT.

Cavallini Daniele

GOLDONI S.p.A. Via Canale 3 41012 Migliarina di Carpi (MO) ITALY

HEREBY CERTIFIES

CERTIFICA - CERTIFIC - LECCHENICT - CERTIFICA - CEPTIV-MILLIPAIN - POTVIZUJE

- GRALAFRA: TU NINGTAL - BERAING H. TATVIRTINA - APLIEGINA - BEONYTHA - JOSEPHA - CERTIFICERT CERTYFRUJE - CERTIFIC URMATORAGE: FOTVERGUJE - NOTROJUJE - MOSANGEA - STOPECHET HE PRI BED - ERALAFRA: BEVAN ETMEKTEDIR

THAT THE MACHINE

S DIE MASHINE. QUE LA MÁQUINA. QUE A MÁQUINE. 4 E MALINHATA . ZESTROJ. AT MASKINEN . ET MASN . OTI A. HOOVAGEP. INIHANDIA. DAT DE MASHINE. ZE MASSVINA. ECHIPALIENTUL TEHN D. ZESTROJ. DASTROJ. ETTA KOHL. ATI WASKINE. A OVELTZEND. AT MASKINEN. MASKINEN.

MACHINE TYPE:

MCCHINATIC. MACHINETYPE. MASCHINETYP. MÁQUINATIC. MÁQUÍNATIC. TIDI MAUMHA. STROJ TYPU. NASKNTYPE. MASKNATUP. TYDOZ HIXAMHANCE. MÁSNOS TIRAS JEMÁRTASTIPS. TIPUSŐ GET. TEDI MODJEL TYPE MACHHE. MASZYNATYP. ECHIPAMENTULTEHNIC TIP. STROJ TYPU. TIP TRAKTORJA. A KNEET TYPPI. MASKNYTYP. TEDINO VELTEKIS. MYSKHYTYP. MAKINETY

AGRICULTURAL TRACTOR

TRACTOR TYPE:

TRATTORETIMO. TYPE DETRACTURE. ACKESCÓLEFRETYP. TIMO DETRACTOR. MODELO BETRÁCTOR. TRIN TRAKTOP. TRAKTOR TYPU . TRAKTORTYPE. TRAKTORTÚJE. TYPO ET TRAKTE . TRAKTORINUS TRAK. TRAKTORA TIPS. TÜNSÖ TRAKTOR. TETY TRAKTURE. TYPETEKSKE. COÇMIKTYP. JAKOTORUL TIP. TRAKTOR TYPU . TRATAKTORJA. TRAKTORIN TYPH. TRAKTORTYF. TROUND TRAKTORS. TRAKTORTYF. TJÁKKTÖR T.P.I

YB

MODEL NAME:

NOME DEL MODELLO. NOM DE MODELE MODELE MAN ME. NOMESCO EMO DELO. NOME DE MODELO. MANIMENORAME HA MODENA: NAZEM MODELU. MODELMANI. NUO ELIKINETUS. SINONA TOY MONTEMOY - MODELO. NODELA MOSAUKUMS -MODELL REVE. - L'ENR MINIMENTI SINONA MODELA MODELA MODEL. NAZOM MODELO. NAZOM MODELO. NAZOM MODELO. NAZOM MODELA MANIMENTA MENDELA MODELA MODELA MODELA MANIMENTA MODELA M

BASE 20

SERIAL NUMBER:

NUMERO DISERI. Numira je krin. SERENUUPERE - Njimura és saha - Nimara és krin. CEPREN KOHEP - VÝRO BNÍ CÍSLO -SERENUMEN. SERA NUMERO SERA NUMERO SERANDE NUMERO. SERANDENIMEN SERANDENIMEN SORICO, TEOLORIS ALIEN TES 4464 RANDORER - SERENUMEN, SERANDENIMEN SERANDENIMEN SERANDENIMEN SERANDENIMEN SERANDENIMEN SERANDENIMEN. SERANDENIMEN SERANDENI

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FULFILLS ALL RELEVANT PROVISIONS AND ESSENTIAL REQUIREMENTS OF THE FOLLOWING DIRECTIVES:

DIRECTIVE DIST IN . DISCOR ROCKING DISCOR DISSOR DISCOR SHE'SHICE DISCOR	NUMBER NUMBER - NÜMER - SEÄN - NÜMER - NÜMER - NÜMER - NÜMER - SEÄN - NÜMER - NÜMER - NÜMER - NÜMER - SÜN - ÖTERÜK - NÜMER - NÜMER - NÜMER - NÜMER - SÜN -	CERTIFICATION METHOD METHOD IS ESEMPLEMENT, METHOD ES CERTIFICATION - DETIRIZATION METHOD IS CERTIFICATION - DETIRICATION - DE
MACHINERY DIRECTIVE DIRETTINA MOCHINE. DIRECTIVE CONCRINANT IS PHOLING. MOCHINEN RCHILINIS. DIRECTIVA DE MOCHINEA. DIRECTIVE CONCRINANT IS PHOLING. MOCHINEN RCHILINIS. SHENKE O STROUNCH ZAZIE CRICH. HOVING DIRECTIVE DIRECTIVE MORINAD. OLHITA DIRECTIVA AL DIRECTIVA TAL-1800.11. MOCHINETIVE LO DIRECTIVA DIRECTIVA AL MOCHINETIVA AL MOCHIN	2006/42/EC	Self-e-ptification, per Commitision Working Document ENTR-8-1. § Jan 2006 Minorothigans is sisted pargin and fair and spikels stiff 10.1. § pera 2004 Neworthigans is also sited pargin and is the spikels stiff 10.1. § pera 2004 Neworthigans is also strong to the varieties is chegatine ENTR-80.1. § je 2004 - Sektrardhigans, and Namestein-Antique Committee Stiff 10.1. § je 2004 - Anticorthica is a committee of the product of the spikels of
ELECTROMAGNETIC COMPATIBILITY COMPA	2004/I 08/EC	Self-certification Autocrification - Autocrification - Selectification - Autocrification - Pair et al. Autocrification - Autocrification - Pair et al. Autocrification - Autocrification - Pair et al. Autocrification - Autocrification - Autocrification - Pair et al. Autocrification - Autocrification

NAME AND ADDRESS OF THE PERSON AUTHORIZED TO COMPILE THE TECHNICAL FILE:

INDIES DEBUZZO DELLA RECOVA AUTO DIEZATA CO PRIMES E RECOGNOTEDIRO. Nen station de parimentante in table à destina de la marcha de la manda della dell

GOLDONI S.p.A. Via Canale 3 41012 Migliarina di Carpi (MO)

Migliarina di Carpi (Italy)

Signature Firms - Signature - Universithrit - Firms - Assinature - ROQHIO - PODPS - Understanth - Alkeri - YROFP APH - PARAŠAS - Paraka to -Adaltas - Infirmat - HANDTEKENING - RODPS - SEMNATURA - POOPS - Allakrijanus - Namnteckning - Undirskrift - Under - In 72

Produced at
Fetto - Fetto - Reta - Aurgentellt In - Redocts en - Hodordo em - AZITA
Vyrobene v - Seed og date - Koostende' - Eurof (6) KSOT - VIETA
KROS - Gyfallo - Magjin III - Gemands te - Vilybannam v Fehretati is - V - Sester/Jeno v - Aka Japañña - Ort och datum Frank III - 1 - Seed og date - Vet

EN Inglese 83 **NOTES**