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Symbols

Various symbols and universal definitions have been used to assist with the operation of your tractor. These symbols are in accordance with the standardised procedures, followed by an indication of their meaning.

	Battery charging system warning light		Hourmeter
	Engine oil pressure warning light		Windscreen wiper
	Air filter restriction warning light		Front-wheel Drive
	Warning light max. PTO 5 min		Reduced speed triangle
	Coolant temperature warning light		Control lever of the auxiliary hydraulic system
	Headlight high beam indicator light		Cold start heater indicator light
	Low fuel level/fuel filler nozzle indicator light		Engine stop
	Warning light		
	Parking brake indicator light		
	Direction indicator light (arrow)		
	Tail light and headlight light		
	Splitter/creeper lever		
	Differential lock		
	Horn		
	Rear work lights		

The Environment

Environmental protection and safety instructions

Aware of the world's environmental situation, involving global warming, dwindling natural resources and other human-induced impacts, Valtra continuously seeks to improve its environmental performance and to identify new, cleaner production alternatives to preserve the environment. This work involves research and investments, always considering environmental issues. Valtra's concern for the environment and occupational health and safety is ongoing and is reflected in the development, production methods and manufacturing of its products.

Valtra has a Health, Safety, and Environment System, and it complies with the ISO 14001 (environmental) and OHSAS 18001 (occupational health and safety) standards.

ISO 14001 is an internationally recognised standard for Environmental Management Systems, and provides guidance on how to effectively manage environmental aspects of activities, products and services, taking into account environmental protection, pollution prevention and socio-economic needs. The OHSAS 18001 specification is a reference document that contains requirements for systems to manage safety, hygiene and health at work. It allows organisations to manage operational risks and improve their performance, with the aim of preventing accidents, reducing risks and contributing to the wellbeing of employees.

Recommendations to customers and users of Valtra tractors

Driving ecologically

This involves driving the tractor in a way that is compatible with the environment. Noise levels and gas emissions are kept within reasonable limits, resulting in savings and improved quality of life.

- Use your tractor with the maximum possible efficiency, adjusting the implements correctly, using the appropriate implements and operating under appropriate conditions (gear, rotation, speed, etc.) as described in this manual.
- Get the most out of your tractor, for as long as possible. This is achieved through adequate preventive servicing, as described in this manual.
- Avoid jolts and frequent abrupt stops, which cause noise pollution, overload of exhaust fumes and fuel consumption.
- Operating with a modified or damaged exhaust system significantly increases the pollution and noise levels created by the vehicle (noise pollution).
- Protect and respect the environment by always going to an authorised dealer or workshop for repairs and installation of equipment on your tractor. Correct maintenance of the tractor helps extend the service life as much as possible and ensures reductions in fuel consumption and the amount of gases emitted into the atmosphere.

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The Environment

Oils and fluids

The products that the tractor uses for its operation (oils and fluids) must be collected carefully in suitable containers when replaced, thus avoiding environmental contamination.

The disposal of used lubricating oils in the soil or in watercourses is prohibited by law, and also causes serious environmental damage. Recycling is the priority method for disposing of this waste.

The replacement of the tractor's **oil and fluids** should preferably take place at authorised Valtra dealerships or partners, since the majority of these establishments follow the correct routine for gathering, storing and transporting the used product for recycling.

Batteries

Please return your used battery to the dealer when you change it. Never dispose of used batteries in the rubbish.

Tires

Rubber does not decompose over time, which is why used tyres must not be disposed of in common landfills or left in the environment. Tyres should be left at the establishment that changed them so they can be recycled.

Agricultural practices

Try to adopt appropriate agricultural practices, aimed at minimising environmental damage.

The use of chemical fertilisers and agrochemicals introduces a large amount of products that do not easily decompose and that contaminate the soil. These endanger water quality and human health. Do not waste these products. Use the products in the recommended amounts.

Empty containers, left over agrochemicals and the like must not be disposed of in the soil, rivers, lakes or public sewers. Check the technical recommendations contained in the packaging leaflet or brochure for the product. By adopting these practices, you will be contributing to the protection of health and the environment.

Do not throw cigarette butts on the ground. This prevents fires and soil contamination.

Avoid using fires, adopting appropriate cultivation practices instead.

The Environment

Health and safety information

Before operating the tractor, carefully read the safety precautions contained in the operator's manual.

- When handling or applying agrochemicals, chemical fertilisers, pesticides or insecticides, seek the guidance of a qualified professional for the specification of personal protection equipment (PPE) suited to the activity.
- Before moving the tractor, make sure that no one is nearby.
- Do not remove or interfere with the tractor's protective devices.
- Take care with the rotating parts of tractors and implements, such as the belts, pulleys, and other parts.
- Do not smoke while driving the tractor or in areas where there are flammable products.
- Never wear personal ornaments, such as watches, bracelets, chains, rings and the like while operating the tractor.
- Never operate the tractor while wearing loose-fitting, long-sleeved shirts or blouses or long hair, since they may get caught.
- Keep your workplace clean and organised, disposing of waste correctly.

Reciclagem Obrigatória

Devolva a bateria usada ao revendedor no ato da troca.
Conforme última resolução Conama.

TUDO CONSUMIDOR/USUÁRIO FINAL É OBRIGADO A DEVOLVER SUA BATERIA USADA A UM PONTO DE VENDA. NÃO DESCARTE NO LIXO.

OS PONTOS DE VENDA SÃO OBRIGADOS A ACEITAR A DEVOLUÇÃO DE SUA BATERIA USADA, BEM COMO ARMAZENÁ-LA EM LOCAL ADEQUADO E DEVOLVÊ-LA AO FABRICANTE PARA RECICLAGEM.



Riscos do contato com a solução ácida e com o chumbo:
A solução ácida e o chumbo contidos na bateria se descartados na natureza de forma incorreta poderão contaminar o solo, o sub-solo e as águas, bem como causar riscos à saúde do ser humano.

No caso de contato acidental com os olhos ou com a pele, lavar imediatamente com água corrente e procurar orientação médica.

Composição Básica: chumbo, ácido sulfúrico diluído e plástico.

A. Safety Precautions

Content

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This section summarises the key safety precautions that must be followed by the operator when working with the tractor. However, these safety precautions do not exempt the operator from knowing and complying with traffic laws and safety regulations applicable to different work places.

A1. Regulatory Occupational Health and Safety Standard NR-31 and Decree No. 86





In compliance with the Regulatory Occupational Health and Safety Standard NR-31 and Decree No. 86 of 03/03/05, this tractor is equipped with protection and signalling devices against accidents during agricultural work.

A2. Safety regulations

To help you consult the safety regulations, we have divided "Safety regulations" into the items listed below:

1. Symbols (WARNING, CAUTION, DANGER AND PRECAUTION)

Words such as **WARNING**, **ATTENTION**, **DANGER** and **PRECAUTION** are used for different alerts to protect people, the tractor and the implements.

 WARNING	<p>This symbol appears next to text that warns about a potential hazard that could result in injuries or fatal accidents, as well as about the necessary precautions to prevent damage to the tractor or implement.</p>
 ATTENTION	<p>This symbol appears next to text that warns about the necessary precautions to prevent damage to the tractor or implement.</p>
 DANGER	<p>This symbol appears next to text that warns about a potential hazard that could result in injuries or fatal accidents.</p>
 PRECAUTION	<p>This symbol appears next to text that indicates the necessary precautions for the proper functioning of the tractor or implement.</p>

2. Before starting the engine



Before starting the engine, study and understand the safety messages contained in this Operator's Manual.

It is your responsibility to understand and follow the manufacturer's instructions on the operation and maintenance of the machine, according to the related laws and regulations.

Before operating the machine, practice safe use of the tractor's controls, and move people away from the area after starting the engine.

Read the safety decals on the machine.



WARNING!

Improper operation of this machine can cause personal injury, property damage or fatal accidents.



WARNING!

Do not remove or cover safety decals. Whenever a decal is damaged, replace it with a new one. New decals should be requested from your Valtra dealer.

3. Brakes



Always check that the brakes are working correctly before moving the tractor.

Brake pedals must be locked together when travelling on roads.

The brakes should be adjusted when necessary.

4. Noise level



When the tractor is operated under full or partial load, the operator is exposed to continuous or intermittent level noise above 85 dB. (A), measured according to the procedure in the ABNT NBR 9999 standard.

In accordance with the legislation in force, NR-31 (Decree No. 86, 03/03/2005), the operator of this tractor must use personal protection equipment (PPE) during working hours. Therefore, use ear protection, either in the form of earplugs or earphones.

5. Children and adults



DANGER!

Never allow adults, children or animals close to the tractor or near the implement while the engine is running.

6. Passengers



It is expressly prohibited to transport people or give rides, on the platform, step or the equipment coupled to the tractor.

7. Maintenance and preservation



WARNING!

Do not perform any maintenance work on the tractor or implement unless the engine is shut off and the implement is lowered to the ground.



ATTENTION!

Before starting any work on the electrical system of the tractor, disconnect the negative terminal of the battery.



ATTENTION!

Always keep the tractor in good mechanical and operational order.



DANGER!

Never place metallic objects on the battery. Doing so may cause the battery to short circuit and/or explode.



WARNING!

Note the maintenance recommendations and never operate the tractor when there is a malfunction that could compromise the safety of the operator and/or the machine.



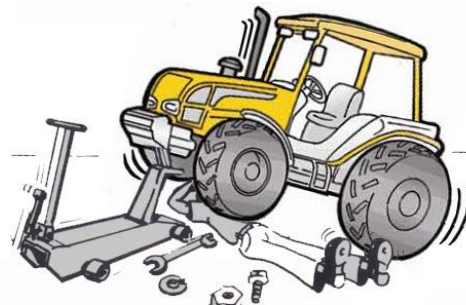
DANGER!

The liquid contained inside the batteries is sulphuric acid. Be careful not to ingest the liquid or allow it to come into contact with your skin, eyes or clothing, as you will suffer severe burns.



WARNING!

When you find a defect, arrange for its immediate repair. If this is not possible, leave a note on the machine to prevent others from operating it.



DANGER!

During repair services for the tractor, use appropriately positioned support trestles. The use of lifting devices, such as hydraulic or mechanical jacks, can be highly dangerous, especially if you need to work underneath the tractor.



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PRECAUTION!

The appropriate handling and disposal of disposable products, such as oils, lubricants, coolants, batteries, etc., is the owner's responsibility, in accordance with the regulations and laws in force.

8. Use of the tractor



DANGER!

Do not allow unauthorised people to operate or drive the tractor. You will be responsible for any accidents.



DANGER!

The seat belt must be fastened and adjusted correctly.



DANGER!

In the event of tipping, grip the steering wheel and do not jump off the tractor.



PRECAUTION!

For your added security and to prevent slipping and possible accidents, keep the steps clean and free of grease, oil and dirt.

9. Lights

Always make sure that the lights and reflectors are clean and in perfect working order. Do not forget that the headlights should be properly adjusted.

10. Driving speed



Adapt the speed of the tractor according to the ground conditions, the visibility conditions and the load to be transported. Avoid abrupt stops or sudden increases in the speed of operation, as well as sharp turns at high speed. This can cause the load or the tractor to tip over.



WARNING!

The maximum speed of the tractor should not be changed. The maximum forward speed is 30 km/h and the maximum reverse speed is 13 km/h. Do not exceed these speeds.

11. Power Take-Off (PTO)



Keep away from components in motion, especially the engine and the PTO. When the PTO shaft is not in use, keep the cover in place.

Do not perform any maintenance and/or adjustments when the engine is running.

Before coupling and using an implement on the power take-off, make sure that the dimensions and rotation speed of the shaft are compatible.

Centre and lock the drawbar when the PTO is in use.

12. Implements

Lower implements to the ground when the tractor is not being used.

Use the lowering speed most appropriate for the weight of the implement.



Check first whether there are people or animals that may be hit when the implement is lowered.



ATTENTION!

Loose and inappropriate clothing may cause accidents. Do not use clothing that can get stuck in commands, controls, etc. The use of PPE (safety goggles, ear protectors, helmets and gloves) is also required.

13. Equipment activated by Power Take-Off (PTO) and implement coupling



WARNING!

Follow the instructions on the safety decals from the manufacturers of the tractor, equipment and implement.



WARNING!

It is only safe to attach the implement if the parking brake is engaged or if the wheels are locked, to prevent any movement of the tractor.

When coupling PTO-driven equipment, it is very important that the recommended safety mechanisms are used and that they are in good condition. There have been serious accidents due to failure to use these mechanisms.

Be very careful when implements are coupled. There is a risk of accident if the tractor or implement moves.

14. Coupling an implement to the PTO



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