

OPERATOR'S MANUAL

7630

8030

Tractor

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Contents

1 GENERAL INFORMATION

Note to the Owner	1-1
Engine identification	1-2
Transmission identification	1-3
Nameplate	1-3
Ecology and environment	1-4
Run-in period of a new machine	1-5
Universal Symbols	1-6
Noise levels	1-7

2 SAFETY INFORMATION

Safety rules	2-1
Roll Over Protection Structure (ROPS)	2-2
Safety rules	2-2
Safety Decals	2-3
Before operating the tractor	2-9
Driving the vehicle	2-9
Operating the machine	2-10
Power Take-Off (PTO) operation	2-11
Maintenance	2-12
Diesel fuel	2-14
Fire or Explosion Prevention	2-15
Intended use statement	2-15

3 CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

General check	3-1
Machine access	3-1
Overview of platform	3-2

OPERATOR'S SEAT

Operator's seat	3-2
Seat belt	3-3

FORWARD CONTROLS

Ignition key	3-4
Warning lights	3-4
Switch of the work lights	3-5
Hand throttle	3-5
Switch – DualPower™ – (When equipped)	3-5
Switch of the Auxiliary Front-Wheel Drive (AFWD)	3-6
Horn switch	3-6
Clutch pedal	3-6
Foot throttle pedal	3-7
Foot pedals of brake	3-7

Differential lock pedal (Mechanical)	3-8
Steering column	3-8
Park brake	3-8

LEFT-HAND SIDE CONTROLS

Power Take-Off (PTO)	3-9
----------------------------	-----

RIGHT-HAND SIDE CONTROLS

Control levers of the hydraulic system	3-9
Control levers of the remote valves	3-9

Instrument panel

Instrument panel	3-10
Gauges	3-12

4 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

General instructions	4-1
Filling the fuel tank	4-1

STARTING THE UNIT

Starting the engine	4-2
Booster battery procedure	4-3

STOPPING THE UNIT

Stopping the engine	4-4
---------------------------	-----

MOVING THE UNIT

Driving the tractor	4-4
---------------------------	-----

5 TRANSPORT OPERATIONS

PREPARING FOR ROAD TRANSPORT

Machine loading	5-1
-----------------------	-----

RECOVERY TRANSPORT

Towing the machine	5-1
--------------------------	-----

6 WORKING OPERATIONS

GENERAL INFORMATION

Traction Front Wheel Drive (FWD)	6-1
Differential lock system	6-1

TRANSMISSION

Operation - 8x2 Transmission	6-2
Travel speeds - 8x2 Transmission	6-3
Operation the 16x4 transmission (when equipped)	6-4
Travel speeds – 16x4 transmission	6-5
Operation – 24x6 transmission	6-6
Travel speeds – 24x6 transmission	6-7
Reverse Alarm and Light	6-8
Decal information speeds	6-9

Power Take-Off (PTO)

Safety rules - Power Take-Off (PTO)	6-10
Power Take-Off (PTO) – Independent	6-10
Power take off (PTO) operation – One-speed independent	6-12

HYDRAULICS

Hydraulics	6-13
Operation in sensitivity control	6-14
Operation in position control	6-15

HYDRAULIC REMOTE CONTROL VALVES

Rear remote control valve(s)	6-16
Hydraulic remote control valves	6-17
Remots cylinders connection	6-18
Installing attachments	6-22

THREE-POINT HITCH

Attach the implement on the hydraulic lift	6-25
Setups of the three-point hydraulic lift	6-26
Setups the telescopic stabilizer	6-28

Tractor drawbar

Attaching a trailer	6-29
Safety chain	6-29
Adjusting the drawbar sliding	6-30

WHEEL TRACK ADJUSTMENT

Front wheel tread settings	6-31
Adjustments the front axle stops	6-34
Front wheel alignment	6-35
Front wheel fenders	6-36
Rear wheel tread settings	6-38

BALLASTING AND TIRES

Tires – Wheels	6-40
----------------------	------

Tires	6-43
Tires – Parts of the tire	6-43
Tire types – For the application	6-44
Tires – General features	6-44
Tires – Compatibility of front x rear tires	6-46
Tractor ballasting - General information	6-48
Tractor ballasting	6-52
Ballasting solid	6-53
Liquid ballast - General information	6-55
Liquid ballast – Capacity table	6-58
Tires – Recommendations for calibration	6-62
Tires - Calibration	6-63
Tire pressures and permissible loads	6-64
Tires - Compatibility table	6-66

7 MAINTENANCE

GENERAL INFORMATION

Introduction	7-1
Fuel handling precautions	7-3
Diesel fuel	7-5
Specifications - Biodiesel fuel	7-6
Organic Acid Technology (OAT) coolant.....	7-8
General instructions from the machine	7-9
Protective devices	7-10

MAINTENANCE CHART

Maintenance chart.....	7-12
------------------------	------

WHEN THE WARNING LAMP LIGHTS

Air filter	7-13
------------------	------

EVERY 10 HOURS OR DAILY SERVICE

Engine oil level	7-15
Cleaning the radiators	7-16
Engine coolant concentration level.....	7-17
Battery.....	7-18

FIRST 50 HOURS

Initial 50 hours	7-19
------------------------	------

EVERY 50 HOURS

Clutch pedal free play	7-20
Lubrication points.....	7-20
Transmission oil	7-23
Fuel filters	7-23

EVERY 300 HOURS

Fuel filters	7-25
Front axle oil.....	7-26

Wheel hub oil	7-26
Nuts and screws tightening torque	7-27
Engine belt	7-28
Front axle grease fittings	7-28

EVERY 600 HOURS

Engine Oil & Filter	7-29
Engine air filter	7-30
Hydraulic oil filter	7-30
Engine valve clearance	7-31
Fuel injection system	7-32
Wheel nuts tightening torque	7-32

EVERY 1200 HOURS OR ANNUALLY

Fuel injectors	7-33
Hydraulic system oil	7-33
Front Axle Oil	7-34
Engine air filter	7-34

EVERY 4000 HOURS OR 4 YEARS

Engine coolant	7-35
----------------------	------

GENERAL MAINTENANCE

Headlights	7-38
Work lights	7-38
Fuel injection system	7-40
Battery	7-41
Fuel tank vent filter	7-42
Air filter dust unloading valve	7-42
Engine drive belt	7-43
Fuse and relay box	7-45
Header	7-46
Protecting the electronic and electrical systems during battery charging or welding ..	7-47

STORAGE

Storing the machine	7-48
Preparation for use after storage	7-49

8 TROUBLESHOOTING

SYMPTOM(S)

Engine	8-1
Hydraulics	8-2
Rear hitch	8-2
Electrical	8-3

9 SPECIFICATIONS

Machine overall dimensions	9-1
----------------------------------	-----

Weight from the machine 9-2
Fluids and lubricants 9-2
Motor 9-4
Drive 9-4
Power Take-Off (PTO)..... 9-4
Steering general specifications 9-4
Hydraulics 9-4
Three-point hitch 9-5
Brakes 9-5
Electrical..... 9-5

1 - GENERAL INFORMATION

Note to the Owner

General Information

This manual has been prepared to assist you in the correct procedure for running in, driving and operating your new machine, and for its maintenance. Read this manual carefully. Your machine is designed to be used in normal and customary agricultural applications.

If you require advice concerning your machine at any time, do not hesitate to contact your NEW HOLLAND dealer. He has factory trained personnel, genuine manufacturers' parts and the necessary equipment to carry out all your service requirements.

The specification are provided for your information and guidance. For further information concerning your machine and equipment, consult your NEW HOLLAND dealer.

All data given in this book is subject to production variations. Dimensions and weight are approximate only. The illustrations do not necessarily show machines in standard condition or imply that these features are available in all countries. For exact information about a particular machine, see your NEW HOLLAND dealer.

Your machine has been designed and built to give maximum performance, economy and ease of operation under a wide variety of operating conditions. Prior to delivery, the machine was carefully inspected, both at the factory and by your dealer, to ensure that it reaches you in optimum condition. To keep it in this condition and guarantee that its operation is problem-free, it is important that routine service procedures, as specified in the maintenance table on page 7-12, are carried out at the recommended intervals.

Operator's manual storage

The operator's manual supplied with your machine is an important source of information and should be stored safely.

The manual has been written specifically for your tractor so it is important that you make a note of the print number and issue date, which can be found on the cover. In the event the manual is lost or damaged it can be replaced with the correct version.

About this manual

This manual gives information for use of your machine, as intended and under the conditions foreseen by the manufacturer during normal operation and routine service and maintenance.

Read and understand it; keep it in good condition and always keep it in a safe place.

This manual does not contain all the information related to periodical service, converting and repairs to be carried out by NEW HOLLAND professional service personnel.

The Table of Contents page(s) are provided to have an overview of main manual's topics. A detailed alphabetic index is available at the end of this manual for locating specific items.

Normal operation

- Normal operation means the use of the machine for the purpose intended by the manufacturer by an operator familiar with the machine and the mounted or towed equipment and complying with the information for operation and safe practices, as specified by the manufacturer in this manual and by the decals on the machine and the equipment.
- Normal operation includes preparing and storing the machine, swinging components into and out of work position, adding and removing ballast, and connecting and removing accessories.
- Normal operation includes adjusting and setting up the machine and equipment, for the specific condition of the field and/or the crop.

Routine service

- Routine servicing and maintenance means activities that must be performed daily by an operator familiar with the machine's characteristics and in compliance with the routine servicing information and with safe practice, as specified by the manufacturer in this manual and by decals on the machine, in order to keep it working properly. The routine service includes activities such as filling up, cleaning, washing, topping up fluid, applying grease, and replacing consumable items such as bulbs.

Converting, periodical service and repair

- Periodic servicing means activities that must be performed at given intervals by trained personnel familiar with the machine's characteristics and in compliance with the periodic servicing information and with safe practice, as specified by the manufacturer in this manual and in other company literature, in order for the machine to keep to its expected working lifespan.
- Conversion means activities that must be performed by professional service personnel familiar with the machine's characteristics and in compliance with the conversion information, as specified by the manufacturer

in this manual, as well as with other company instructions or literature, in order to prepare the machine for a specific configuration.

- Repair means activities that must be performed by professional service personnel familiar with the machine's characteristics and in compliance with the repair information, as specified by the manufacturer in the dealer's manual, in order to restore the machine to correct working order following a fault or reduced performance.

Cleaning the machine

When using a high pressure washer, do not stand too close to the machine and avoid directing the jet at electronic components, electrical connections, breathers, seals, filler necks, etc. Never direct a cold water jet at a hot engine or exhaust.

Failure to comply with these rules will render the warranty null and void.

Security

The pages in Section 2 list the precautions to be observed to ensure your safety and the safety of others. Read the safety precautions and follow the advice offered before operating the machine.

Replacement Parts

It should be pointed out that genuine parts have been examined and approved by the Company. Fitting and/or using non-genuine products could have negative effects on the design characteristics of your machine, thereby affecting its safety. The Company is not liable for any damage caused by the use of 'non-genuine' parts and

accessories. Only genuine replacement parts should be used. The use of non-genuine parts may invalidate legal approvals associated with this product.

Making any modifications to the machine is prohibited, without specific written authorization from the manufacturer's After Sales Service department.

Warranty

Your machine is warranted according to legal rights in your country and the contractual agreement with the selling dealer. No warranty shall, however, apply if the machine has not been used, adjusted and maintained as per the instructions given in this operator's manual.

Using Biodiesel

Before using biodiesel in your machine, refer to the information on page 7-6 as regards storing and using biodiesel.

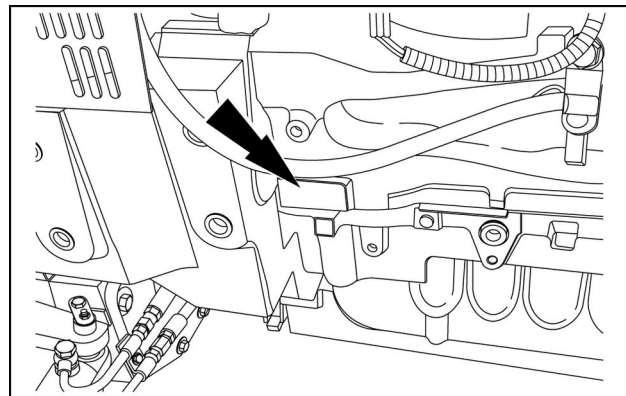
Tampering with the engine or fuel system

ATTENTION: *Your machine's engine and the fuel system were designed and configured to meet the emissions standards required by the laws in your country or region. Dealers, customers, operators, and users are strictly prohibited from tampering with the machine's factory settings. Failure to comply with this rule invalidates the machine's warranty and could result in government fines, legal action, and possible confiscation of the machine until rework to original condition is completed. Engine maintenance and repairs must be done by an authorized technician only.*

Engine identification

The engine identification code is stamped on the left-hand side of the engine. Make a note of the code in the space below.

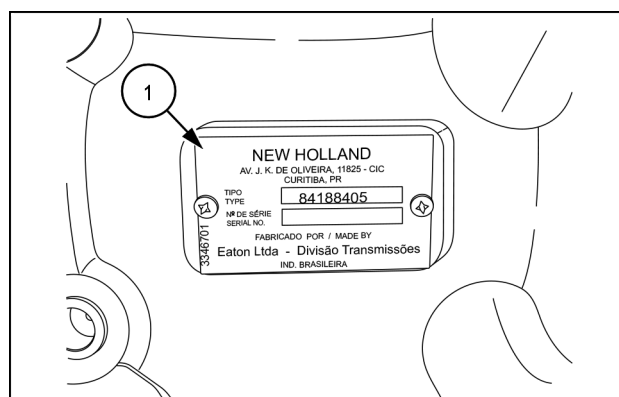
Engine identification code: _____



CUIL16TR00166AA 1

Transmission identification

A transmission identification plate (1) is located on the right-hand side of the machine, under the operating platform. The plate shows the serial number and the codes for the transmission type.



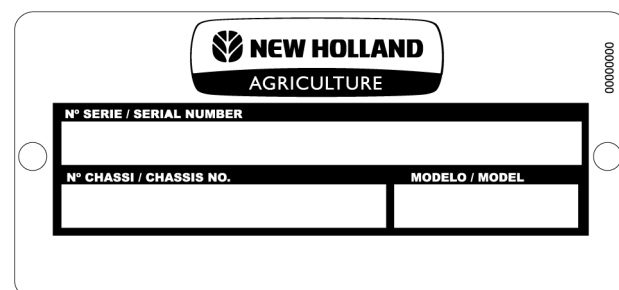
CUIL16TR01409AA 1

Nameplate

Your machine and its main components are identified by codes. These codes facilitate identification of your machine. You must give them to your NEW HOLLAND dealer when requesting replacement parts or servicing. The following information indicates where the identification codes are stamped.

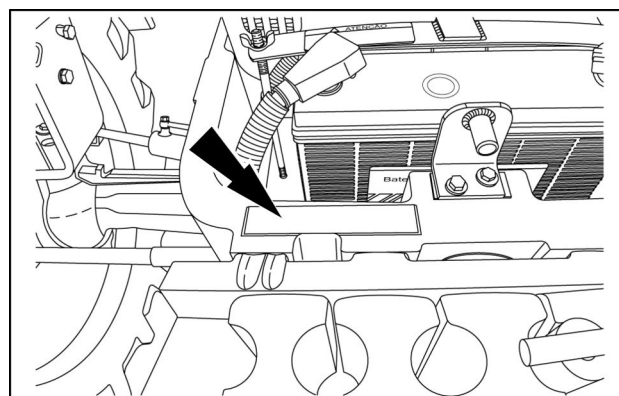
Machine identification plate

The plaque with the product identification number (PIN) is located on the inside of the right-hand side of the hood.



CUIL15TR00486AA 1

The PIN is also stamped on the machine's front axle support bracket.



CUIL13TRO0181AA 2

Ecology and environment

Soil, air, and water quality is important for all industries and life in general. When legislation does not yet rule the treatment of some of the substances that advanced technology requires, sound judgment should govern the use and disposal of products of a chemical and petrochemical nature.

Familiarize yourself with the relative legislation applicable to your country, and make sure that you understand this legislation. Where no legislation exists, obtain information from suppliers of oils, filters, batteries, fuels, anti-freeze, cleaning agents, etc., with regard to the effect of these substances on man and nature and how to safely store, use, and dispose of these substances. Your NEW HOLLAND dealer can also provide assistance.

Helpful hints

- Avoid the use of cans or other inappropriate pressurized fuel delivery systems to fill tanks. Such delivery systems may cause considerable spillage.
- In general, avoid skin contact with all fuels, oils, acids, solvents, etc. Most of these products contain substances that may be harmful to your health.
- Modern oils contain additives. Do not burn contaminated fuels and or waste oils in ordinary heating systems.
- Avoid spillage when you drain fluids such as used engine coolant mixtures, engine oil, hydraulic fluid, brake fluid, etc. Do not mix drained brake fluids or fuels with lubricants. Store all drained fluids safely until you can dispose of the fluids in a proper way that complies with all local legislation and available resources.
- Do not allow coolant mixtures to get into the soil. Collect and dispose of coolant mixtures properly.
- Do not open the air-conditioning system yourself. It contains gases that should not be released into the atmosphere. Your NEW HOLLAND dealer or air-conditioning specialist has a special extractor for this purpose and can recharge the system properly.
- Repair any leaks or defects in the engine cooling system or hydraulic system immediately.
- Do not increase the pressure in a pressurized circuit as this may lead to a component failure.

Battery recycling

Batteries and electric accumulators contain several substances that can have a harmful effect on the environment if the batteries are not properly recycled after use. Improper disposal of batteries can contaminate the soil, groundwater, and waterways. NEW HOLLAND strongly recommends that you return all used batteries to a NEW HOLLAND dealer, who will dispose of the used batteries or recycle the used batteries properly. In some countries, this is a legal requirement.



NHIL14GEN0038AA 1

Mandatory battery recycling

NOTE: The following requirements are mandatory in Brazil.

Batteries are made of lead plates and a sulfuric acid solution. Because batteries contain heavy metals such as lead, CONAMA Resolution 401/2008 requires you to return all used batteries to the battery dealer when you replace any batteries. Do not dispose of batteries in your household garbage.

Points of sale are obliged to:

- Accept the return of your used batteries
- Store the returned batteries in a suitable location
- Send the returned batteries to the battery manufacturer for recycling

Run-in period of a new machine

Your new machine will provide long and reliable service if given proper care during the first 50-hour running-in period and if serviced at the recommended intervals.

Run-in recommendations

Avoid overloading the engine. Operating in too high a gear under heavy load may cause excessive engine overloading. Overloading occurs when the engine will not respond to a throttle increase.

Do not operate without a load on the engine. This can be as harmful to the engine as overloading. Vary the type of operation carried out so the engine is submitted to a mix of heavy and light loads during the running-in period.

Use the lower gear ratios when towing heavy loads and avoid continuous operation at constant engine speeds. Operating the tractor in too low a gear with a light load and high engine speed will waste fuel. Select the correct transmission ratio for each particular operation to save fuel and reduce engine wear.

Check the instruments and warning lights frequently and keep the radiator and oil reservoirs topped up to the recommended levels.







































Fuel saving tips

1. Store fuel in properly cleaned, rust and contaminant free containers.
2. Always fill the fuel reservoir at the end of each day to reduce overnight condensation of moisture in the air, so as to avoid damage to the fuel system.
3. Fuel filters should be replaced as per recommended time schedule as the filtering capacity is not retained after this specified time. It may allow harmful contamination and damage the fuel injection system. Follow the maintenance schedule to drain the water from the filters and clean the supply pump filter.
4. Always use genuine fuel filters. See your NEW HOLLAND dealer.

5. Repair diesel leaks, if any, immediately.
6. Dirt particles that may enter the engine cause premature wear of lining and piston rings. This causes loss of power and excessive consumption of engine oil and fuel. Make sure that there are no leaks from the hoses and that the seal of the air filter chamber is in good condition. Keep the hose clamps tightened.
7. Follow the run-in procedure provided in this manual to achieve optimal performance of your tractor.
8. If you keep the engine running at idle speed unnecessarily for long periods, this wastes fuel.
9. Do not rest your foot on the clutch pedal as this will cause clutch slippage, loss of engine power and increased fuel consumption. Maintain the specified play in the clutch pedal.
10. Always drive the tractor in the proper gear. Use a lower gear to drive down a slope and use the brakes sparingly.
11. Maintain the proper tire pressures for field work as well as for roadwork. Refer the tyre pressure chart given in this manual. Worn out tyres cause wheel slippage and waste fuel. Either retread or discard the full set of tires if they are very worn. Adhere to tyre ballasting as and when required to reduce wheel slippage and fuel consumption.
12. Always use the appropriate implements to reduce diesel fuel wastage. Implements should be maintained in good condition, as usage of worn out implements will waste fuel.
13. Always plough length wise and plan your field run to reduce fuel consumption. Adjust the wheel gauge to suit the implement and avoid overlap when you work in the field.
14. Adjust the proper engine rotation when you work with equipment driven by the Power Take-Off (PTO). If you select the wrong rotation, it will result in excess fuel consumption.

Universal Symbols

As a guide to the operation of the machine, various universal symbols have been utilized on the instruments, controls, switches, and fuse box. The symbols are shown below with an indication of their meaning.

 Heater plug for cold start	 Turning signal	 Power Take-Off (PTO)	 Reaction control
 Alternator charging	KAM Activated memory	N Transmission in neutral	 Accessories socket
 Fuel Level	 Turn signals	 Creeper selection	 Implement socket
 Automatic fuel shut-off	 Turn signals - one trailer	 Low speed selection	 % Percentage slip
 Engine speed (rpm x 100)	 Turn signals - two trailers	 High speed selection	 Raising of the hydraulic lift
 Hour meter	 Wind shield washer	 Road speed	 Rear hitch lower
 Engine Oil Pressure	 Windscreen wash wipe	 Differential Lock	 Hydraulic lift height threshold
 Engine Coolant Temperature	 Heating temperature control	 Rear axle oil temperature	 Hydraulic lift disabled
 Coolant Level	 Cab recirculation fan	 Trans Oil Pressure	 Transmission filters and hydraulic filters
 Machine lights	 Air conditioner	 Auxiliary Front Wheel Drive (AFWD) operated	 Remote control valve extension
 Main beam head	 Air Filter Restriction	 Warning!	 Remote control valve command retraction
 Dip Beam	 Parking brake	 Danger warning lights	 Remote control valve flotation
 Work lamps	 Brake fluid level	 Variable control	 Malfunction! See Operator's
 Stop Lamp	 Trailer brake	 Pressurized! Open carefully	 Malfunction! (alternative symbol)
 Horn	 Warning! Corrosive substance	 Position control	 Brake fluid level
 Trans Oil Pressure			

Noise levels

⚠ CAUTION

Avoid possible hearing loss!
The machine operator must wear hearing protection.
Failure to comply could result in minor or moderate injury.

C0070A

⚠ WARNING

Personal Protective Equipment (PPE) required.
When assembling, operating, or servicing the machine, wear protective clothing and PPE necessary for the particular procedure. Some PPE that may be necessary includes protective shoes, eye and/or face protection, hard hat, heavy gloves, filter mask, and hearing protection.
Failure to comply could result in death or serious injury.

W0353A

Noise is considered the most common of the pollutants that cause physical problems. Brazilian legislation establishes maximum limits for intensity and continuous or intermittent noise exposure durations. The tolerance limits for continuous and intermittent noise are detailed in Annex 1 to the regulatory Standard (NR15) of 1990. See the legislation in force in your country.

Noise emission tests were performed while your machine was being developed. The tests were performed in line with Directive 2003/10 of the European Economic Community (EEC) or European Community (EC). Tables 01 and 02 set out average noise levels at operator ear level.

Table 01: Noise levels in dB (decibel) at operator ear level, measured as per Directive 2003/10 of the European Economic Community (EEC) or European Community (EC) for models with no cab.

Configura- tion 1	Configura- tion 2	Setup 3	Setup 4	Setup 5	Setup 6	Setup 7	Setup 8
X	X	X	X	X	X	X	X

Table of configurations

Settings	Test conditions			
	Machine stopped	Road speed	Engine speed	Ports
Configuration 1	X	-	Idle	Closed
Configuration 2	X	-		Open
Setup 3	X	-	Maximum rpm	Closed
Setup 4	X	-		Open
Setup 5	-	7,5 km/h	-	Closed
Setup 6	-	7,5 km/h	-	Open
Setup 7	-	35 km/h	-	Closed
Setup 8	-	26,5 km/h	-	Open

It is important to stress that the use of ear protectors is recommended for the Operator and people who work close to the machines, regardless of the noise intensity and time of exposure.

During operation, the machines may be driving or powering other equipment, and this in turn also produces noise. As a result, the real noise levels perceived by the Operator and people who work close to the machines can vary considerably. Always consider wearing ear protectors that are good quality, intact, and that offer maximum protection.

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