CLAAS

ELIOS 230-220-210

Operator's manual

SERVICE & PARTS

VALIDITY OF THE OPERATOR'S MANUAL

5652

This operator's manual is valid for the following tractors:

Type of tractor	Tractor serial number	
	From	To
ELIOS	A2800001	-

The operator's manual describes the possible equipment for your tractor. Your tractor's equipment is listed in your order confirmation.

UNITS

6304

The units used in this document are in line with international system of units:

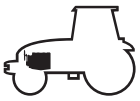
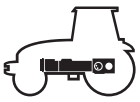
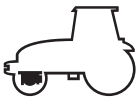
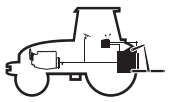
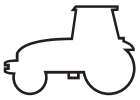
Physical	*Unit Name*	*Symbol of unity*	*Multiples and sub-multiples of the unit*
Size	Metre	m	mm - cm
Volume	Cubic meter	m^3	cm^3 - dm^3
	Liter	l	ml - cl
Angle	Degree	°	
Time	Second	s	
	Minute	min	
	Hour	h	
Linear speed	Kilometer per hour	km/h	m/h
Rotation speed	Revolution per minute	1/min	
Weight	Kilogram	kg	g
Forced	Newton	N	
Torque	Newton meter	Nm	
Pressure	Pascal	Pa	
Power	Watt	W	kW
Flow rate	Liter per minute	l/min	
Temperature	Degree Celsius	°C	
Power voltage	Volt	V	mV
Electric intensity	Ampere	A	mA
Resistor	Ohm	Ω	kΩ
Sound level	Bel	B(A)	dB(A)

The date format used in this document also complies with the international system:

Year-Month-Day Example: 2010-07-15

CHAPTER SYMBOLS

5660

REF	CHAPTERS	SYMBOLS
A	**IDENTIFICATION - CERTIFICATION - SAFETY**	
B	**CAB**	
C	**ELECTRICAL SERVICES**	
D	**ENGINE**	
E	**TRANSMISSION**	
F	**FRONT AXLE**	
G	**REAR EQUIPMENT**	
H	**FRONT EQUIPMENT**	
J	**WHEELS AND TYRES**	
K	**CHARACTERISTICS**	
L	**MAINTENANCE**	
M	**OPERATIONS THAT ARE MANDATORY UNDER THE GUARANTEE**	

CONTENTS

A - IDENTIFICATION - CERTIFICATION - SAFETY

B - DRIVING POSITION

CAB

PLATFORM

C - ELECTRICAL SYSTEM

D - ENGINE

E - TRANSMISSION

GEARBOX

REAR AXLE

F - FRONT AXLE

G - REAR EQUIPMENT

HYDRAULIC SYSTEMS

REAR LIFT

REAR POWER TAKE-OFF

REAR HITCH

H - FRONT EQUIPMENT

FRONT LINKAGE

FRONT POWER TAKE-OFF

FRONT LOADER

J - WHEELS AND TYRES

K - CHARACTERISTICS

L - MAINTENANCE

M - OPERATIONS THAT ARE MANDATORY UNDER THE GUARANTEE

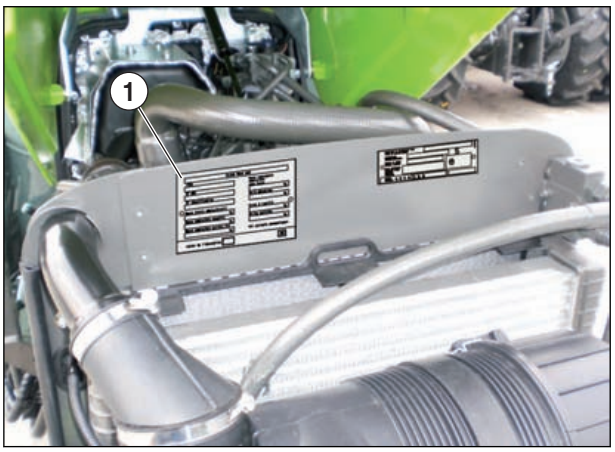
A - IDENTIFICATION - CERTIFICATION - SAFETY

1 TRACTOR INFORMATION PLATE

6604

In all correspondence or orders, please do not omit to mention the tractor's identification number, the type and serial number of the engine.

The plate (1) is riveted to the front face of the radiator bracket.

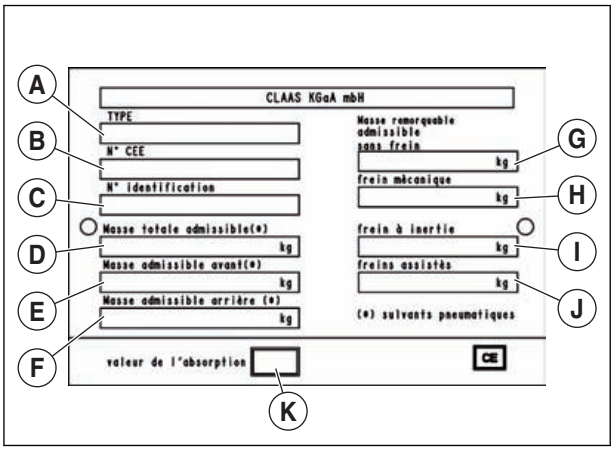


872vfn01d

Type :

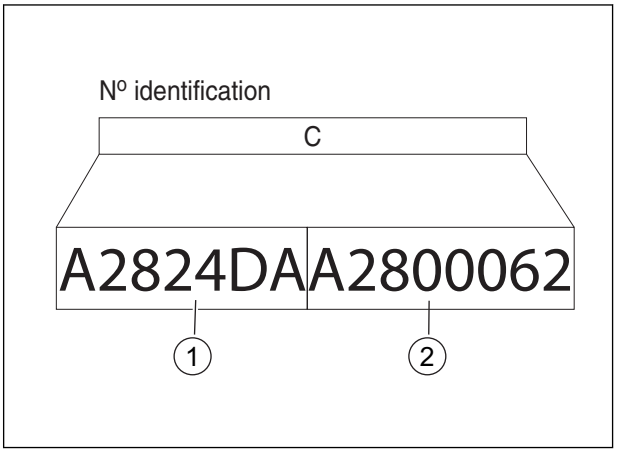
Vehicle identification number:

A – Tractor type.
B – Reception number per CE type.
C – Tractor ID number.
D – Maximum total weight acceptable loaded according to the tires (kg).
E – Maximum front axle loaded weight depending on tyre fit (kg).
F – Maximum rear axle loaded weight depending on tyre fit (kg).
G – Maximum unbraked trailer weight (kg).
H – Maximum trailer weight - mechanical brake (kg).
I – Maximum trailer weight - inertia brake (kg).
J – Maximum trailer weight - servo brake (kg).
K – Smoke absorption coefficient.



872vfn03d

The tractor's identification number (C) is composed of the regulation type (1) and serial number (2) of the tractor (the example given opposite is completely fictitious).



841hsn10m

Tractor regulation type

The regulation type (1) is broken down in the following manner:

Type of tractor	Engine power code	Number of drive wheels	Cabin type	Maximum tractor speed
A28	0: ELIOS 210 1: ELIOS 220 2: ELIOS 230	2: 2 wheel drive 4: 4 wheel drive	A: Platform D: Classic cab	A: 40 km/h B: 30 km/h M: 40 km/h * N: 30 km/h *
* Gross vehicle weight restricted to 3 500 kg				

Tractor serial number

The tractor's serial number (2) is composed of the tractor type "A28" followed by a 5 digit number.

2 MOTOR INFORMATION PLATE

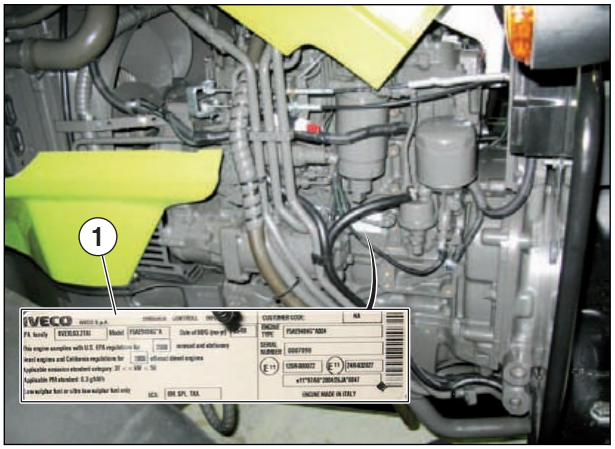
6605

Motor information plate:

The identification plate of the engine (1) is located on the left-hand side of the engine.

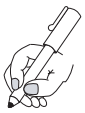
This plate contains the engine type and serial number.

This label provides information on the engine (Manufacturer data).



103vfn09d

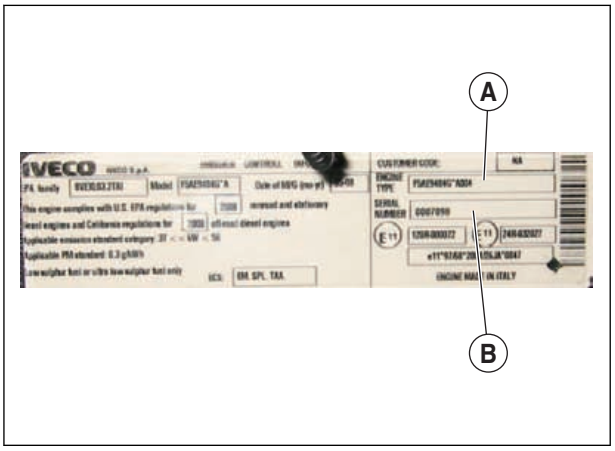
Type/model:



Serial number:

A – Type .

B – Serial number.



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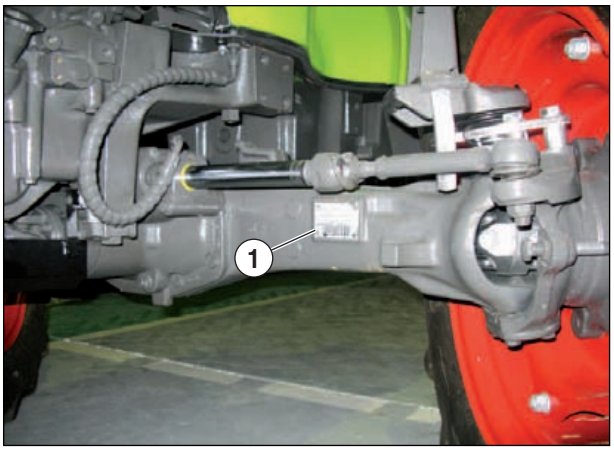
3 FRONT AXLE INFORMATION PLATE

6618

The front axle identification plate (1) is located on the right side of the front axle.

This plate indicates the type and serial number of the front axle.



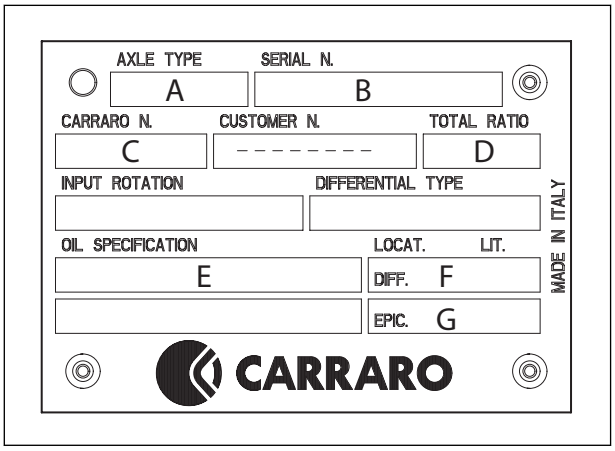
454vfn23d

Type/model:

Serial number:

Front axle (4-4-wheel drive tractor):

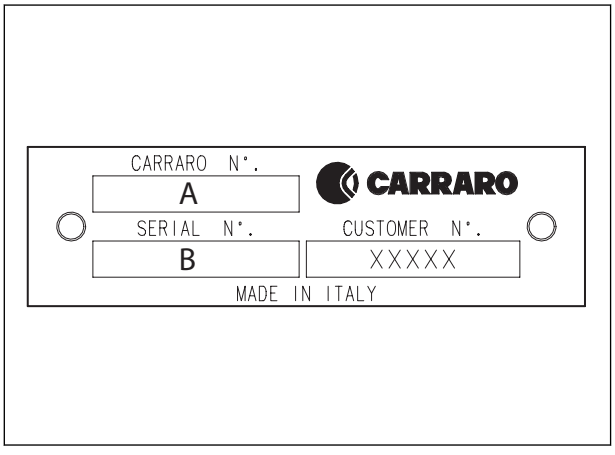
A – Type .
B – Serial number.
C – Reference.
D – Overall reduction ratio.
E – Oil type.
F – Oil capacity of epicyclic reduction gear (l).
G – Oil capacity of differential housing (l).



454vfn24d

Undriven front axle (2-4-wheel drive tractor):

A – Reference.
B – Serial number.

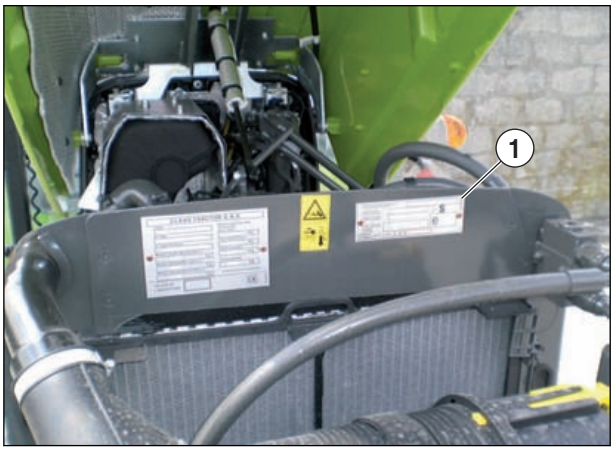


454vfn25d

4 CAB IDENTIFICATION PLATE

6606

The plate (1) is riveted to the front face of the radiator bracket.

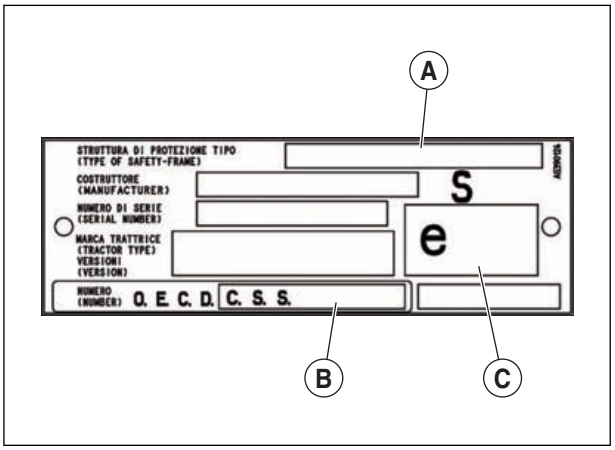


872vfn11

A – Reception number per EMC type (Electromagnetic compatibility).

B – Absorption ratio.

C – Homologation number per cab type.



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5 EUROPEAN REGULATION

6552

CLAAS tractors put in circulation in the European Community meet modified European Directive 2003/37. A certificate of conformity is supplied when each tractor is delivered. Hence, the tractor's manufacturer ensures conformance of the tracor with the CE directive mentioned previously upon initial marketing.

In countries outside the European Union, apply the appropriate national provisions.

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