

AXION CMATIC 810-820

Use and Maintenance

RECOMMENDATIONS

Thank you for choosing a CLAAS tractor.

In this guide you will find the instructions for use and maintenance that you must know to get the best service from your tractor.

This document is not to be considered as contractual. CLAAS has a policy of continuous technical improvement to all their products, and therefore reserve the right to change without notice and at any time the details contained in this booklet.

If you are still unsure about any points, the technicians of the CLAAS network will be pleased to give you any additional information you may require.

The description of the different models contained in this manual was established from technical characteristics known at the time of writing the document. The manual contains all existing equipment (standard or optional) for these models, and their presence in the tractor depends on the version and options chosen and on the country of sale.

IMPORTANT: Read chapter 'M' specifying the guarantee conditions. Servicing operations during the guarantee period are mandatory; failure to carry them out will nullify the contractual guarantee.

Failure to observe the instructions for use and maintenance as described in this manual definitively excludes any possibility of recourse to the CLAAS guarantee system.

FOR YOUR SAFETY

Before using the tractor for the first time, read the user's manual and observe the general safety instructions!



Warning triangle

In this user's manual, this sign indicates all the paragraphs concerning safety aspects. Pass on these safety instructions to all other users.

The instruction and warning plates affixed to the tractor give important information about possible risks of use. Respect for these instructions is a guarantee of your safety!

APPROPRIATE USE

This tractor has been designed to be used exclusively for normal agricultural work (appropriate use).

Any use other than that defined above will be considered as inappropriate and will release the manufacturer from any liability in the event of damage or injury; the user alone will bear the risks resulting from such misuse.

Appropriate use also supposes the observance of the operating, maintenance and repair regulations laid down by the manufacturer.

The tractor must be used, maintained and repaired only by persons with a thorough knowledge of the vehicle and aware of the possible risks.

Specific accident prevention instructions must be observed as well as general rules concerning technical safety, health and safety regulations and the highway code.

Note: The manufacturer declines all responsibility for any damage resulting from any modification made to the tractor without their approval.

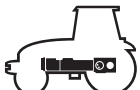
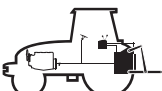
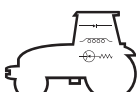


DESCRIPTION



MODEL		TYPE
40 km/h	Axion 810	A0974EA
	Axion 820	A0984EA
50 km/h	Axion 810	A0974EC
	Axion 820	A0984EC

DESCRIPTION: CHAPTER SYMBOLS

REF	CHAPTERS	SYMBOLS
A	IDENTIFICATION - APPROVAL	HOMOLOGATION ACCORDÉE AU TYPE/VERSION [R] ANNÉE [] PAR LE MINISTÈRE DE L'AGRICULTURE SOUS LE NUMÉRO []
	SAFETY	
B	CAB	
C	ELECTRICAL SERVICES	
D	ENGINE	
E	TRANSMISSION	
F	FRONT AXLE	
G	HYDRAULICS - REAR LINKAGE AND HITCH	
H	FRONT POWER TAKEOFF, LINKAGE AND FRONT COUPLING	
I	ON-BOARD COMPUTER	
J	WHEELS AND TYRES	
K	DIMENSIONS, WEIGHTS, CAPACITIES AND BALLAST	
L	MAINTENANCE	
M	OPERATIONS THAT ARE MANDATORY UNDER THE GUARANTEE	

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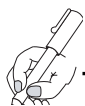


IDENTIFICATION

In any correspondence or order, always include the tractor identification number, the engine type and serial number, and the CEE structural certification N°.

TRACTOR PLATE

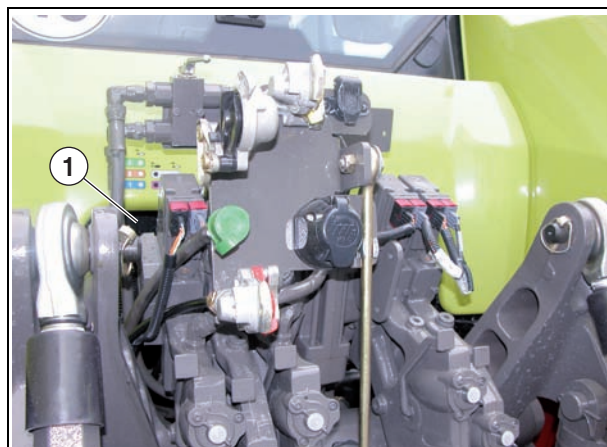
Plate (1) is riveted behind the cab



TYPE :



SERIAL NO:



841hsn58

A – Tractor type.

B – The tractor identification N° (this n° is also stamped on the front right of the chassis).

C – The CEE certification N° (German certification n° for 50 km/h version tractors).

D – Maximum loaded weight depending on tyre fit (in kg).

E – Maximum front axle loaded weight depending on tyre fit (in kg).

F – Maximum rear axle loaded weight depending on tyre fit (in kg).

G – Maximum unbraked trailer weight (in kg).

H – Maximum trailer weight - mechanical brake (in kg).

I – Maximum trailer weight - inertia brake (in kg).

J – Maximum trailer weight - servo brake (in kg).

CLAAS KGaA mbH	
Type	A
N° CEE	C
N° identification	B
Masse totale admissible (kg) (suivant pneumatiques)	D
Essieu AV	E
Essieu AR	F
Masse remorquable admissible (kg)	
sans frein	G
frein mécanique	H
frein à inertie	I
freins assistés	J
Fabriqué par RENAULT Agriculture	

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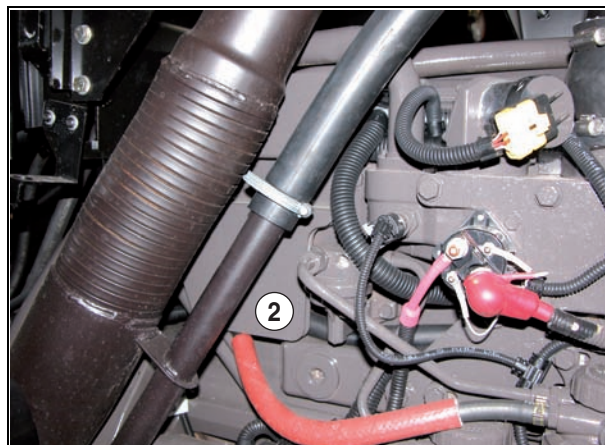
ENGINE PLATE

Remove the cover (2) located on the right side of the engine to expose the identification plate (3).

This plate contains the engine type and serial number.

The label (4), on the right-hand side of the engine, specifies:

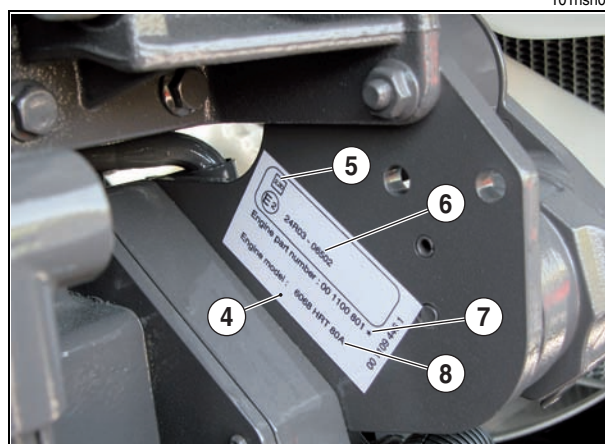
- 5- The rate of absorption
- 6- The certification Nr
- 7- Engine serial n°
- 8- The type of engine.



101hsn04



101hsn00



101hsn14

CERTIFICATION

Plates (1) and (2) are riveted behind the cab.

Description

A- Tractor type.

B- The tractor identification N° (this n° is also stamped on the front right of the chassis).

C- The CEE certification N° (German certification n° for 50 km/h version tractors).

D- Maximum loaded weight depending on tyre fit.

E- Maximum front axle loaded weight depending on tyre fit.

F- Maximum rear axle loaded weight depending on tyre fit.

G- Maximum unbraked trailer weight (in kg).

H- Maximum trailer weight - mechanical brake (in kg).

I- Maximum trailer weight - inertia brake (in kg).

J- Maximum trailer weight - servo brake (in kg).

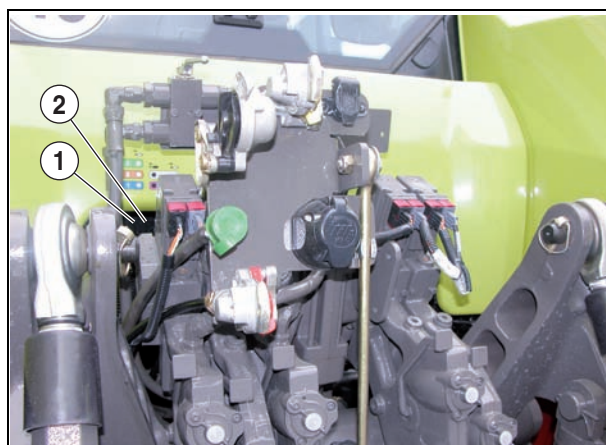
K- EMC (electromagnetic compatibility) acceptance.

L- EMC (electromagnetic compatibility) acceptance N°.

M- Smoke absorption coefficient.

N- CEE structure acceptance.

O- CEE structure acceptance N°.



841hsn59

1		2	
CLAAS KGaA mbH			
Type	A		
N° CEE	C	e2	
N° identification	B	023003 L	
Masse totale admissible (kg) (suivant pneumatiques)	D	1,28 M	
Essieu AV	E		
Essieu AR	F		
Masse remorquable admissible (kg)		S e2 N	
sans frein	G	072 O	
frein mécanique	H		
frein à inertie	I		
freins assistés	J		
Fabriqué par RENAULT Agriculture			

841hsn49

Certification number

- Certification of Axion tractors (40 km/h version) in accordance with European directives 2003/37/CE .
- Certification of Axion tractors (50 km/h version) in accordance with German construction and use regulations (Styzo) .
- Certification of Axion structures in accordance with European directives 79/622/CEE (amended 1999/40/CE).
- CEE certification N° for Axion tractor (40 km/h version): e2*2003/37*0001.
- German certification N° for Axion tractor (50 km/h version) : L973
- Certification N° of safety structures of Axion tractors: e2 S 128.



SAFETY

SAFETY INSTRUCTIONS

FOREWORD



CLAAS Tractors are designed and built to give you optimum service over many years. They are designed to provide the most comfortable and safe working conditions. However, accidents can easily happen in agricultural work. It is important to know the dangers and how to avoid them. We respectively draw your attention to certain aspects that merit constant attention (non exhaustive list).

The guarantee is canceled if the standards, instructions, maintenance planned by the user manual are not applied. The guarantee does not cover damages resulting from using components and spare parts not provided by Claas or not approved by Claas.

Changing the ECU parameters fully releases Claas from responsibility.



PRECAUTIONS BEFORE STARTING



Caution is the best guarantee against any risk of accident

The driver must be fully familiar with the tractor and must understand all the controls, their position and their purpose. This manual must be read carefully.

If the tractor is used by anybody other than the owner, he must be given all explanations required to allow him to work safely. The driving position must be clean (instrument panel, steering wheel, floor and pedals).

Footsteps must be clean (no mud) to avoid slipping when climbing or descending.

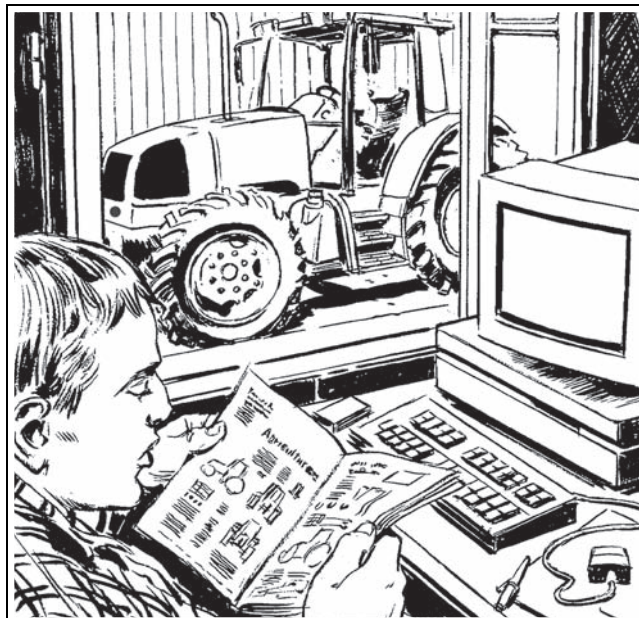
Use the steps and handles provided when getting into or out of the tractor. Before starting the engine, make sure that all controls are in the neutral position, particularly the power take-off lever.

Only run the engine in well ventilated areas.

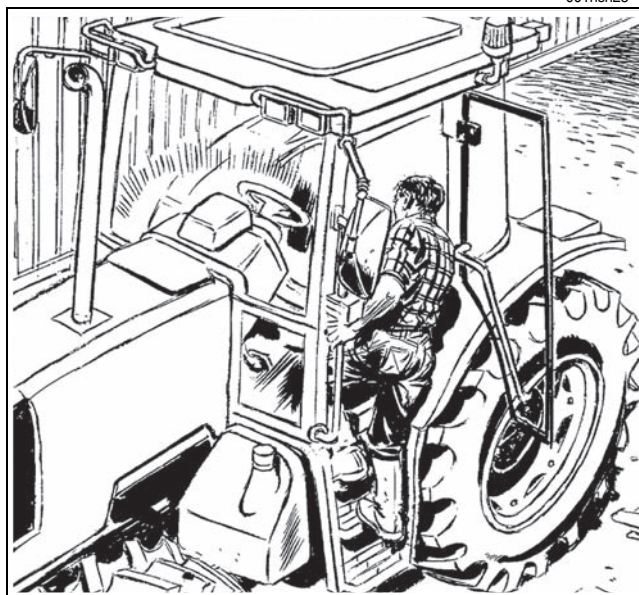
Make sure there is nobody nearby before starting the tractor.

Fully release the handbrake before starting.

Do not start work if the tractor is not working properly.



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001hsn26



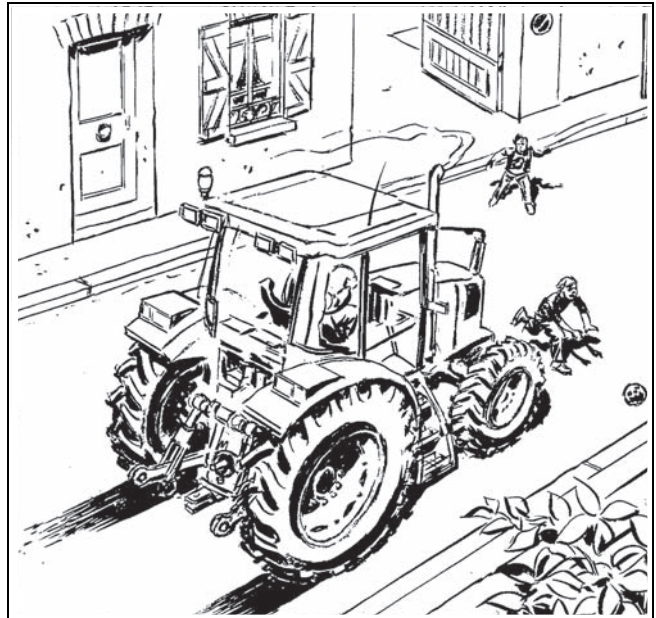
CONDITION OF THE TRACTOR



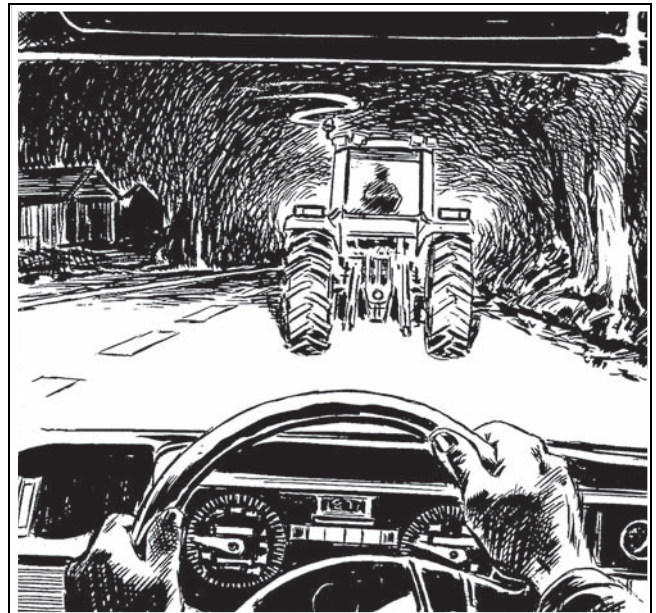
Maintaining the tractor in the best possible condition, by carrying out all routine maintenance (oil changes, level checks, overhauls, adjustments and thorough cleaning) will allow it to be used in the safest and most profitable way.

Check the following items first:

- High temperature components: Check that airborne particles such as straw, grass, wood chips etc., do not accumulate in high temperature areas. Clear debris from around the engine and the exhaust system. For tools attached to the front or the side of the tractor, inspect and clean the areas around the attachments for the various supports.
- Brakes: Check that the brakes work properly. Check the operation of the hand brake and foot brake.
- Steering: Check the operation of the hydrostatic steering.
- Transmission: Check the transmission fluid level (especially if external services are used).
- Hydraulic system: Check the condition of the system (unions, pipes, hoses), particularly the hoses to the steering actuators.
- Electrical system: Check the condition of the electrical system (batteries, wiring, headlights, indicator lights, hazard lights, rotating beacons, windscreen wipers, etc.).
- Lighting - indicators: All lighting and indicating equipment must not only be in working order, but must be fully visible; clean them. Carry a spare set of bulbs. Replace any defective element.



001hsn27



001hsn28

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