



# herculano

## INSTRUCTION MANUAL



### DUMPER TRAILER

# HDPA 16 / 25

**IMPORTANT:** Read this manual carefully before using the machine.

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**GRUPO FERPINTA**

# OWNER'S MANUAL

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**OPERATE WITH CARE! PREVENT ACCIDENTS.**

## 1. INTRODUÇÃO

Congratulations on your purchase. You have just acquired a machine that is constructed using state of the art technology to the strictest quality requirements.

We put every effort into research, development and refinement so you can enjoy high levels of safety and operating performance.

The instructions and suggestions found in this manual must always be followed.

We are always on hand to help resolve any doubts or problems that you might have.

## 2.

### ***“CE” CONFORMITY DECLARATION***

This piece of equipment complies with the requirements of European Parliament and Council Directive 2006/42/CE, of 17 May 2006, transposed into Portuguese law by Decree-Law no. 103/2008 of 24 June 2008.

The CE conformity declaration is attached to this Instruction Manual.

### 3. GENERAL SAFETY RULES



SWITCH OFF THE ENGINE AND ENSURE THAT THE TRACTOR'S BRAKES ARE ON BEFORE WORKING ON THE SEMI-TRAILER.

- 3.1. Whenever connecting or disconnecting the machinery, make sure that you stand to one side of the tractor and check that the bolts are properly fixed in place.
- 3.2. Always use suitable clothes and shoes and avoid the use of long or loose clothing.
- 3.3. Never perform maintenance work when the box is lifted without first placing the safety chock between the box and the trailer's chassis.
- 3.4. Do not drive or tip the trailer on sloping and/or unstable ground.
- 3.5. Do not transport people on agricultural trailers.
- 3.6. When tipping sideways, never fully open the hydraulic cylinder.

#### 4. SAFETY-RELATED WARNING NOTICES



ALWAYS READ THE INSTRUCTION MANUAL.



DANGER. ARTICULATED MACHINERY.



DANGER. ALWAYS FIT THE SUPPORT CHOCK.



DANGER OF CRUSHING. TIPPING BOX.



LUBRICATION POINT.



DANGER OF CRUSHING. TIPPING BACK DOOR.



DANGER OF CRUSHING. TIPPING BACK DOOR.



TYRE PRESSURE INDICATOR



WHEELS SCREWING INDICATOR

All semi-trailer models are equipped with indicator signal and light devices, as per current legislations.



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## 5. TECHNICAL CHARACTERISTICS AND VARIANTS

CODE	MODEL	BOX DIMENS.	TYRES	CAPACITY
<b>DUMPER HDPA</b>				
41524222	HDP A 16	4.40x2.20x0.95	550/60 R22.5	6.0 m <sup>3</sup>
41524221	HDP A 25	5.00x2.40x1.10	560/60 R22.5	9.7 m <sup>3</sup>

### Characteristics:

- Tandem Axle;
- Conical Body equipped with 2 Dumper-type cylinder;
- Hydraulic support leg cylinder with manual drive;
- Hydraulic service and parking brake;
- Drawbar with spring;

### Opciones:

- Hardox 450 body;
- 4 wheels Michelin Cargo.

## 6. TRACTOR / SEMI-TRAILER CONNECTION



First check that the semi-trailer is in good operating and safety conditions, then engage the draw bar with the tractor and fix the bolt in place with a pin.

Connect the towing chain (safety).

Connect the hydraulic system to the tractor's circuit..

Connect the electrical system to the tractor's plug.

## 7. TASKS PRIOR TO STARTING WORK

Check the hydraulic and pneumatic circuits (by tipping and braking).  
Take the brakes off the semi-trailer.

**Check tyre pressures and wheels screwing (see plaque).**

Check that the lights and indicators work.



**CHECK THE CONDITION OF YOUR TRAILER'S LIGHTING.**



## 8. PRECAUTIONS DURING OPERATION



Keep to a moderate speed.



Keep in mind the type of terrain and the semi-trailer's load.



Only tip the semi-trailer on level ground.



Do not force the hydraulic cylinder to the end of its travel.



Do not move the tractor while the semi-trailer is tipped.



Keep clear of the semi-trailer while it is tipping or tipped.



Never unhook the semi-trailer without first putting the brakes on, chocking and putting in place the draw bar support.

We recommend the following lubricants:



Lubricating points on the springs = **RENOLIT GP2**

Lubricating the tipping articulations = **RENOLIT GP2**

## 9. MAINTENANCE



**Important:** Never perform maintenance work when the box is lifted without first placing the safety chock between the box and the chassis.

BEFORE EACH DAY OF WORK, check:

- Tyre pressure;
- Possible oil leaks from the hydraulic circuits.
- Possible air leaks from the pneumatic circuits.

PERIODICALLY, check:

- Wheels screwing;
- State of repair of the pipes;
- State of repair of the hydraulic cylinder(s);
- State of repair of the pneumatic circuits;
- State of repair of the tyres.

**Lubricate:**

- Rotation axes of the rear tipper (gracés);
- Rotation axes of the hydraulic back door opening cylinder;
- Rotation axes of the hydraulic draw bar support cylinder.

PROLONGED STORAGE

- Wash the equipment and store it undercover;
- Perform a general inspection including, if necessary, retouching the paintwork.

NOTE: - Always clean the lubrication points before and after lubricating;  
- Fill with the necessary amount of lubricant until the grease flows out clear.



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## 10. BREAKDOWNS

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Trailer does not tip	Broken or leaky pipe	New pipe
	Valve connected to tractor incorrectly	Check connection. Disconnect and reconnect
	Low oil level in the tractor	Check tractor oil level
	Oil leak from the cylinder – Leaking seals	Replace seals
	Malfunction of the tractor's hydraulic circuit	Check the tractor's hydraulic circuit
Lights missing on the trailer	Bulb blown	Replace bulb with a new one
	Electrical tractor connection plug not connected	Connect the electrical plug to the tractor
	Cable cut or poor contact in the plugs	Check all cables and connections

## 11. WARRANTY CONDITIONS

1. The products from our factory have a 12 month warrantee, counted from the date on the remittance slip, which covers any manufacturing defect.
2. The Warranty Certificate must be sent to us after sale to the end client. No warranty claims will be processed if this document is not in our possession.
3. HERCULANO does not accept any claims resulting from products being used for work that is not recommended.
4. Any repairs made during the warranty period without prior consent from our Technical Services will annul the right to warranty.
5. Any alteration made by the client to the characteristics of the products will cancel the warranty.
6. The warranty will be cancelled if the breakdown is caused by incorrect usage.
7. The warranty only covers replacement parts from our factory, not including labour and transport.
8. Claims under warranty must be made by filling in and sending the "Claim Request" document".
9. All components requested by the client will be invoiced when they leave the factory. The replaced components will only be credited after being analysed by Technical Services, and after the factors that caused the damage are verified and accepted.

## 12. HOW TO ORDER PARTS

### Parts Department:

☎ (351) 256 661 914

📠 (351) 256 661 918

@ [dep.pecas@herculano.pt](mailto:dep.pecas@herculano.pt)

Consult the relevant diagram, identify the part's code and state the quantity you would like to order.

**On your order, do not forget to state the model, serial or frame number and year of manufacture. These are all marked on the identification plate.**

NOTE: example of the machine's identification plate is shown below.

COD: 21701004 / 97

<b>Herculano</b> GRUPO FERPINTA		<b>CE</b>
Quadro Chassis Frame		Ano Année Year
Modelo Modèle Model	Série Série Serie	Nº Contraseña
Tel. 351 256 661 900 • Fax 351 256 692 497 • e-mail: herculano@ferpinta.pt		
3720-051 LOUREIRO • OAZ • PORTUGAL • HERCULANO - ALFAIAS AGRÍCOLAS S.A.		

Please state the following so that we can process your order immediately:

- Name or Company
- Full address for delivery
- Type of transport required

**ALWAYS USE ORIGINAL PARTS**

**NOTE: PRODUCT IMAGES AND FEATURES MAY BE ALTERED WITHOUT PRIOR WARNING, AS PART OF THE ONGOING IMPROVEMENTS TO OUR PRODUCTS.**