Operator's Manual

FORMER

Rotary rake

12545
FCK 20001

AGCO Feucht GmbH · Fellastraße 1-3 · D-90537 Feucht
FENDT is a worldwide brand of AGCO

Original Operator's Manual

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The following section indicates the consequences that may occur if no measures for preventing the risk(s) are taken.

The final section outlines risk-prevention measures.

The following key words are used.

⚠ DANGER

Situation posing an immediate hazard that could lead to serious injury or death if the respective warning is ignored.

⚠ WARNING

Potentially hazardous situation leading to serious injury or death if the respective warning is ignored.

⚠ CAUTION

Potentially hazardous situation leading to minor or slight injury if the respective warning is ignored.

ATTENTION

Potentially hazardous situation leading to material damage if the warning is ignored.

2.4.2 Warning notices on the machine

Warning notices on the machine are decals that indicate residual risks. Residual risks are hazards or hazardous areas that cannot be sufficiently prevented or secured through technical preventive measures alone.

➔ Warning notices attached to the machine must be observed.

➔ Prior to each use, check that the decals are in good condition.

➔ Replace any illegible or damaged decals.

➔ Replace any missing decals.

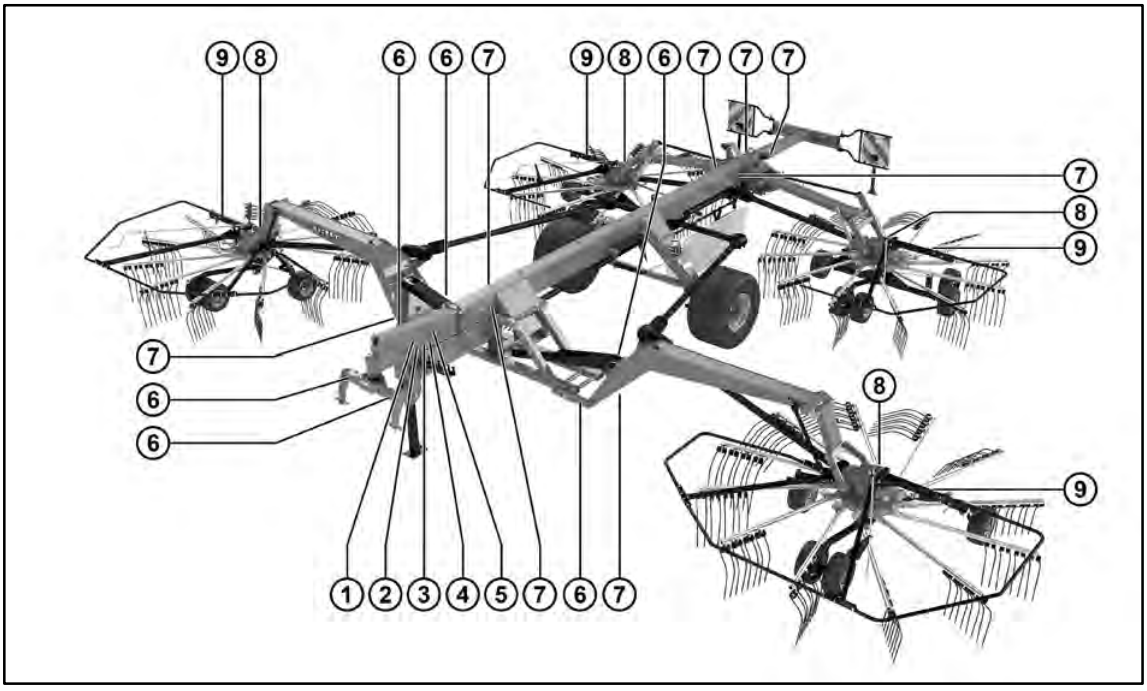

Abb. 4 Warning notices on the machine

Number	Warning	Explanation
1		Before using the machine for the first time, **read** the Operator's Manual and safety instructions. Always **observe** the Operator's Manual and safety instructions while using the equipment.

4.4 Axle loads, gross weight and minimum ballast required

The front axle of the tractor must always be loaded with at least 20% of the empty weight.

To ensure compliance with the permissible axle loads and gross weight as well as with the steerability of the tractor-machine combination, make the following calculations.

Calculation of minimum ballast required on the front axle:

$$I_{Fmin} = \frac{[I_R \times (c+d)] - (T_F \times b) + (0{,}2 \times T_E \times b)}{a+b}$$

Calculation of actual front axle load:

$$T_{Ftat} = \frac{[I_F \times (a+b)] + (T_F \times b) - [I_R \times (c+d)]}{a+b}$$

Calculation of actual gross weight:

$$I_{tat} = I_F + T_E + I_R$$

Calculation of actual rear axle load:

$$T_{Rtat} = I_{tat} - T_{Ftat}$$

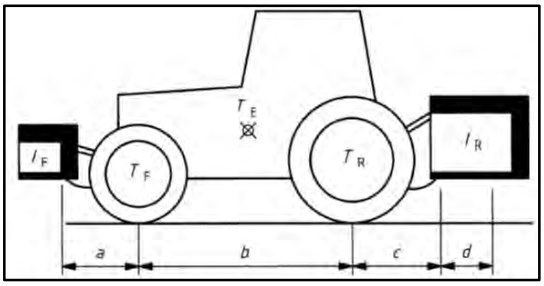

Abb. 13 Data required for the calculation

	Unit	Explanation	
T_E	[kg]	Empty weight of tractor	1)
T_F	[kg]	Front axle load of empty tractor	1)
T_R	[kg]	Rear axle load of empty tractor	1)
I_R	[kg]	Gross weight of rear-mounted attachment/rear-mounted ballast of towed machine: I_R = bearing load	4)
I_F	[kg]	Total weight of front-mounted attachment/front ballast	2)
a	[m]	Distance between center of gravity of front-mounted attachment/front ballast and center of front axle	2), 3)
b	[m]	Tractor wheel base	1), 3)
c	[m]	Distance between center of rear axle and center of lower link balls	1), 3)
d	[m]	Distance between center of lower link balls and center of gravity of rear-mounted attachment/rear-mounted ballast of towed machine: d = 0	3)

1) See Operator's Manual for the tractor

2) See Operator's Manual for front-mounted attachment

3) Measure

4) See Section 4.1 Machine data

➔ Hold the tine carrier at a slight angle and push the tine winding (1) onto the lower mounting (2) first and then push the tube (3) of the tine carrier into the recess on the bracket (4).

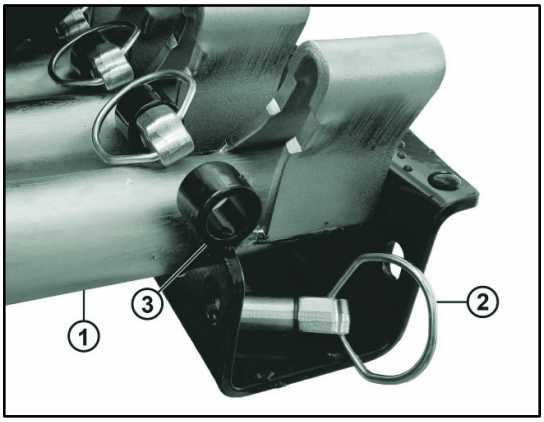

Abb. 35 Storage of the tine carriers

➔ Place the other end straight on the notch.

➔ Secure the tine carrier (1) with the appropriate linch pin (2) by sliding the pin into the locking device (3) behind the tine carrier.

➔ Repeat the process until the outer 3 tine carriers have been removed from all four rotors.

➔ Start the tractor engine.

➔ Actuate DA control valve 2 until the narrowest working width of the front rotors has been set.

➔ Pull the red pull rope as far as it will go.

Mechanical lift height limits on the front rotors are unlocked.

➔ Pull the black pull cable as far as it will go and hold it in place.

Mechanical lift height limits on the rear rotors are unlocked.

➔ Set DA control valve 1 to "Raise" and raise the rotors to the transport position.

➔ Let go of the black pull rope.

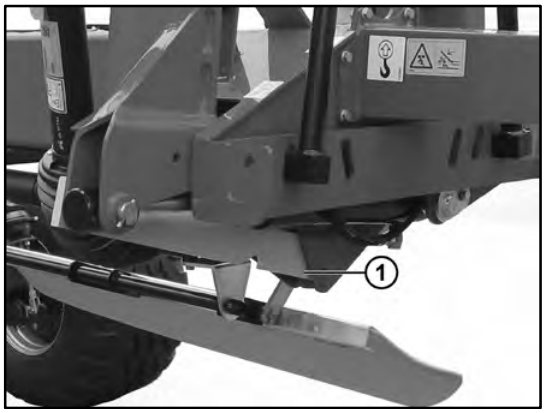

Abb. 36 Transport lock engaged

➔ Check that the transport lock (1) has engaged.

➔ Close the stop valve on the hydraulic hose.

Abb. 37 Holder for tine covers

➔ Take the tine covers (1) out of the holders on the frame.

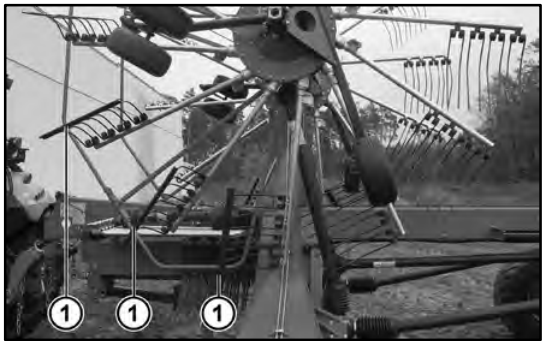

Abb. 38 Tine cover

➔ On all rotors, place the tine covers (1) on the bottom, outward-facing tines.

8 Rectifying faults

⚠ WARNING

Risk of injury from moving machine parts

All work on the machine must be carried out only when the machine is not running.

➔ Apply the tractor parking brake.

➔ Switch off the tractor engine.

➔ Remove the ignition key.

➔ Secure the machine against rolling away.

➔ If work is being carried out on the machine while it is raised, use suitable support elements to secure the machine and prevent it lowering or tipping over.

ATTENTION

Risk of material damage due to use of non-original spare parts

Spare parts that do not fulfill the requirements reduce the machine's safety, reliability and performance.

➔ Use only original spare parts. Information on these can be found in the spare parts catalogue or obtained from your specialist workshop.

Fault	Possible causes	Remedy
Irregular rotor function	Working height set too high	Set the working height lower (see Section 6.7.3 Adjusting working height)
	Working speed too high	Reduce the working speed Drive more slowly on uneven ground/areas with an increased volume of forage.
	Speed too low or too high	Correct the speed. (guide value 450 rpm)
	Non-uniform tire pressure	Correct the tire pressure (see Section 9.9 Tire maintenance)
	Tire pressure too high	For smooth running, you can reduce the tire pressure of the rotor chassis to 1 bar.
	Longitudinal inclination of the rotor incorrectly set	Change the longitudinal inclination (see Section 6.7.7 Adjusting the longitudinal inclination)
	Lateral inclination of the rotor incorrectly set	Change the lateral inclination (see Section 6.7.6 Adjusting the lateral inclination)
High degree of forage contamination	Working height set too low	Set the working height higher (see Section 6.7.3 Adjusting working height)
Irregular swath form	Swath formation set incorrectly	Adjust swath formation (see Section 6.7.5 Adjusting the swath formation)

No.	Lubrication point	Number	Interval	Type of maintenance	Quantity	Lubricant
9	Guide roller	4	50h	Lubricate	As required	Multipurpose grease
10	Swath formation adjustment mechanism	4	50h	Lubricate	1) 10 cm^3	Multipurpose grease
11	Axle guide	4	50h	Lubricate	1) 3 cm^3	Multipurpose grease
12	Twin wheel swivel axle	4	50h	Lubricate	As required	Multipurpose grease
13	Trailing wheel swivel axle	4	50h	Lubricate	As required	Multipurpose grease
14	Rotor suspension hinge	2	50h	Lubricate	As required	Multipurpose grease
15	Rear swivel arm hinge axis	2	50h	Lubricate	As required	Multipurpose grease
16	Rear swivel arm hydraulic cylinder	2	50h	Lubricate	As required	Multipurpose grease
17	Parking brake bearing	1	200h	Lubricate	As required	Multipurpose grease
18	Brake shaft bearing	4	50h	Lubricate	As required	Multipurpose grease
19	Brake linkage	2	50h	Lubricate	As required	Multipurpose grease

1) Observe the correct dose. With commercial grease guns, approx. 1 cm^3 grease is conveyed per stroke.

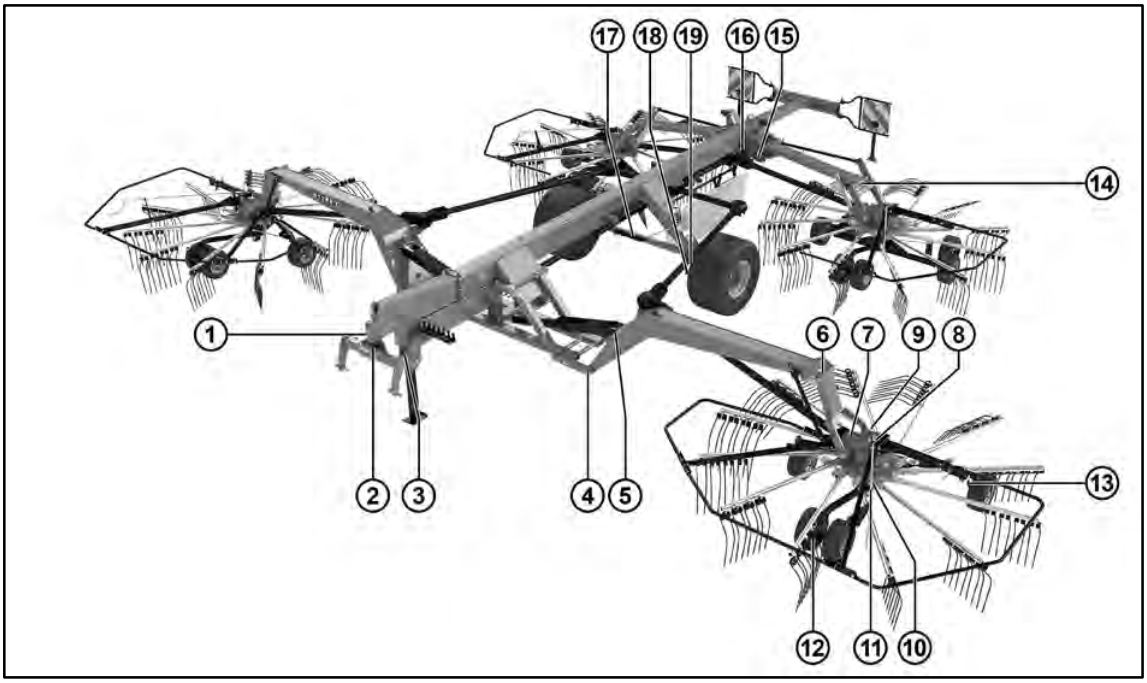

Abb. 72 Lubrication points on the machine