6 Prior to Operation

LOADING / UNLOADING THE MACHINE DISCO 3450 / 3050 / 3050 C / 2650 / 2650 C

Danger!

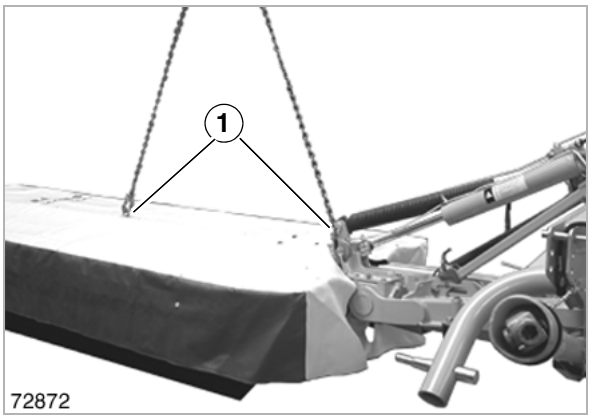
Improper lifting and transporting involves risk of accidents!

Only hang the machine on the lifting points (1) on the left and in the centre for loading!

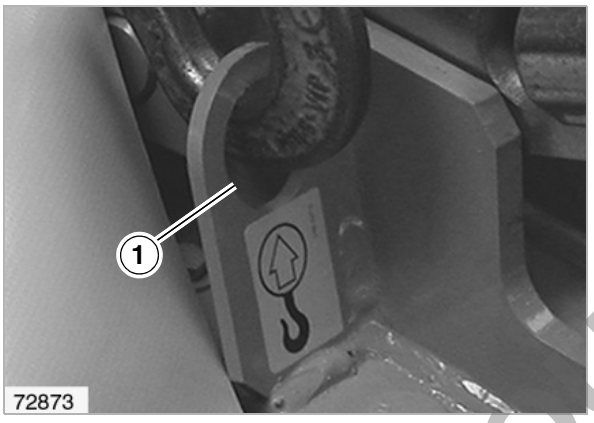
(Fig.1 - 3)

Make sure the slings are adequately dimensioned!

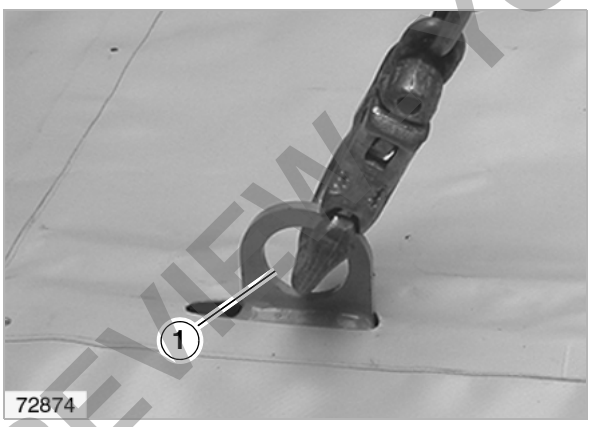
Machine weight – see *Technichal data* (Section 5.1).



1



2



3

PREVIEW YOUFIXTHIS.COM

Download full manual at youfixthis.com

8 Maintenance

IMPORTANT MAINTENANCE INSTRUCTIONS

Danger!

The drive system can suddenly start running while work is carried out on the machine. Danger of injury!

– Disengage the drive mechanism and stop the engine before any maintenance, servicing or cleaning work and before the elimination of malfunctions.
– Remove the ignition key and disconnect the universal drive shaft.

Danger!

Components under tension can suddenly be released. Danger of injury!

– Before carrying out any assembly work it is essential to release components under tension such as springs, pressure accumulators etc. according to instructions.

Danger!

When in the raised position the machine can lower inadvertently while repair, service or cleaning work is carried out!

– Use appropriate supports to secure the lifted machine.

Wheels / tyres

Danger!

Damaged tyres can suddenly loss their inflation pressure and cause the machine to roll sideways!

– Periodically check tyres for damage and correct inflation pressure.
– Repair work on tyres must only be carried out by skilled workers and with suitable tools.

Danger!

Avoid an excessive inflation pressure. Danger of bursting!

– Stand clear of the tyre when inflating.
– Periodically check the inflation pressure.

After each wheel installation, retighten wheel nuts orbolts after the first 10 operating hours and then check fortightness every 50 operating hours. For the tighteningtorques see specifications).

Always observe the prescribed inflation pressure, see»specifications«.

Hydraulic System

Danger!

Hydraulic oil forced out under high pressure can break the skin and cause severe damage to health. In case of injury by hydraulic oil report immediately to a doctor as there is a grave risk of infection.

– Before working on the hydraulic system, it is essential to release pressure from the system and to unfold the machine.
– Inspect hydraulic hoses regulary and replace damaged or deteriorated hoses by new ones.

Environment!

Discard used oil and grease according to regulations.

Repair work on the hydraulic system must be carried out by authorised specialised workshops only.

Energy accumulators

Danger!

Danger of injury from sudden release of pre-tensioned components!

– Before fitting work pre-tensioned energy accumulators (springs, pressure accumulators etc.) must be de-tensioned in accordance with the regulations.

Repair work on pre-tensioned energy accumulators (springs, pressure accumulators, gas springs etc.) should be carried out in specialist workshops and with approved tools.

Bolts

Check all bolts for tightness and retighten if necessary.

Check that all split pins and roll pins are in place.

Lubrication

Observe the oil change intervals and the oil quality specified by the manufacturer. For lubrication use only good quality grease or oil. Before applying the grease gun, clean the grease nipples. Grease all points that require lubrication, observing the intervals specified in the lubrication chart.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

7 Operation

USE

Danger!

When lowering the mower unit from the transport position to the working position and vice-versa, crushing/shearing points are exposed.

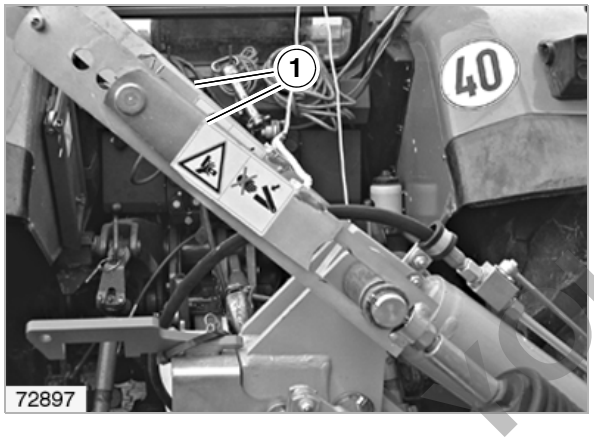
Danger!

Nobody is allowed within the mower's working range.

Working position

The latches (1) must be swung inwards.

(Fig. 1)



1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

5 Technichal data

TECHNICHAL DATA

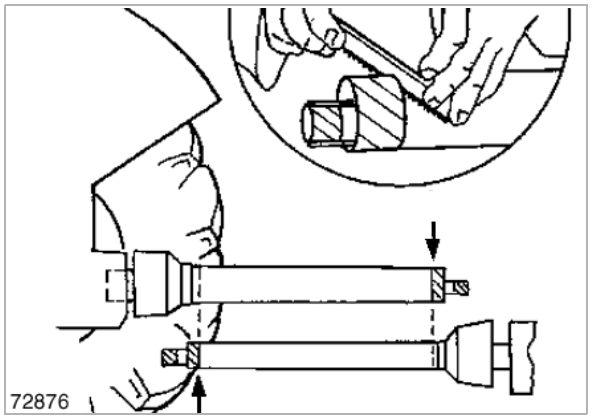
Note!

Technical specifications, dimensions and weights are understood with the usual tolerances.

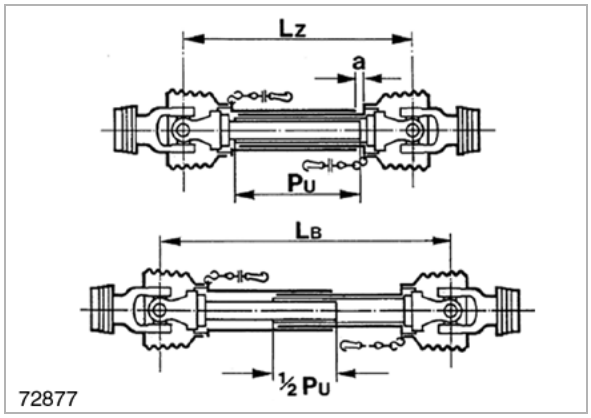
		DISCO 3450	DISCO 3050 C	DISCO 3050	DISCO 2650 C	DISCO 2650
Minimum tractor power requirement	kW (PS)	51 (70)	51 (70)	40 (55)	40 (55)	33 (45)
Attachment	Kat.	II	II	II	II	II
Cutting width	m	3,40	3,00	3,00	2,60	2,60
PTO Speed	1/min	540 / 1000	540 / 1000	540 / 1000	540 / 1000	540 / 1000
Disc Speed	1/min	3200	3200	3200	3200	3200
Knive Speed	m/s	87	87	87	87	87
Conditioner Speed	1/min	-	936	-	936	-
Cutting hight (horizontal)	mm	30 - 70	30 - 70	30 - 70	30 - 70	30 - 70
Number of Discs		8	7	7	6	6
Number of knife		16	14	14	12	12
Weight	kg	800	1160	710	940	640

PREVIEW - YOUFIXTHIS.COM

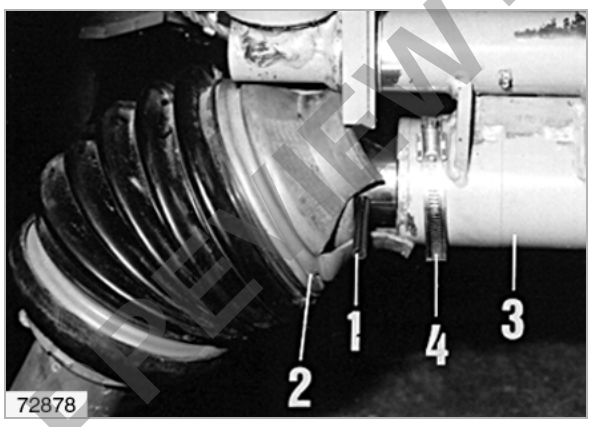
Download full manual at youfixthis.com



8



9



10

Adjust universal drive shaft

Because of the different PTO shaft locations on different types of tractor it may be necessary to adjust the universal drive shaft accordingly:

Pull universal drive shaft apart and push halves of universal drive shaft with the long protection funnel onto the drive shaft of the machine and the other half onto the PTO shaft of the tractor.

Swivel the machine into working position. Place the two halves of the universal drive shaft next to each other and check the lengths with the machine in the lowered and in the lifted position.

(Fig. 8)

Observe max. operating length (**LB**).

Ensure as much overlap as possible. The universal drive shaft can only be pulled apart by half the distance of the composed state (**LZ**) of the existing slider section cover (**PU**).

In the shortest operating length, the universal drive shaft halves must not collide against each other.

There must still be a free sliding distance (a) = **40 mm.**

Cut the male and the female guard tubes uniformly.

Shorten the inner and outer splined sections by the same amount as the guard tubes.

File the cut area to remove any metal burrs, remove any metal filings.

Grease the sliding surfaces of the profile tubes.

(Fig. 9)

Fitting the universal drive shaft

Push the universal drive shaft fork with the hole for the roll pin onto the drive stub of the machine and tap the roll pin 1) with flange pin (8 x 55 and 5 x 55) in position.

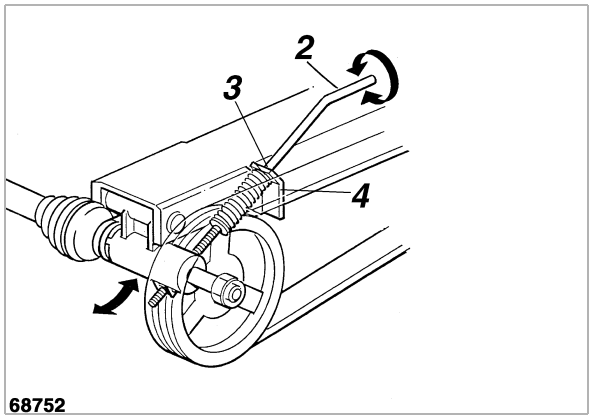
Then push the drive shaft guard (2) over the throat of the bearing block (3) and secure the protection with the hose strap (4).

(Fig. 10)

Connecting the drive shaft on the tractor side

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



3

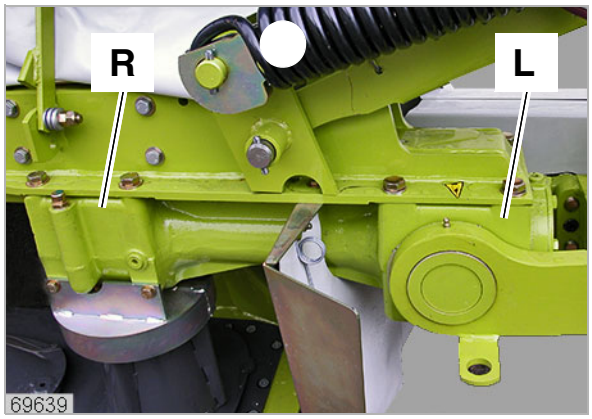
The belts are correctly tensioned if the mark (3) (notch) on the crank (2) is aligned with welded-on strap (4) . Tensioning takes place by rotating the crank (2) .

(Fig. 3)

Conduct regular belt tension checks after that.

Note!

If a v-belt is worn or broken, replace the whole v-belt set.



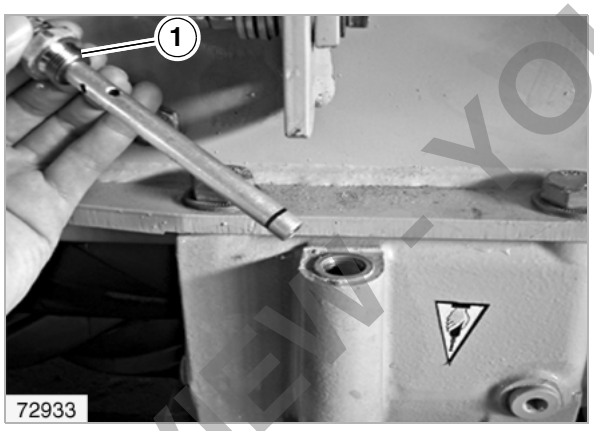
4

Angle drive

For lubrication of the gearboxes (R and L), use only gearbox oil SAE 85W-90 in accordance with (MIL-L-2105B) API-GL-5-90.

Check the oil level daily and correct if necessary.

(Fig. 4)



5

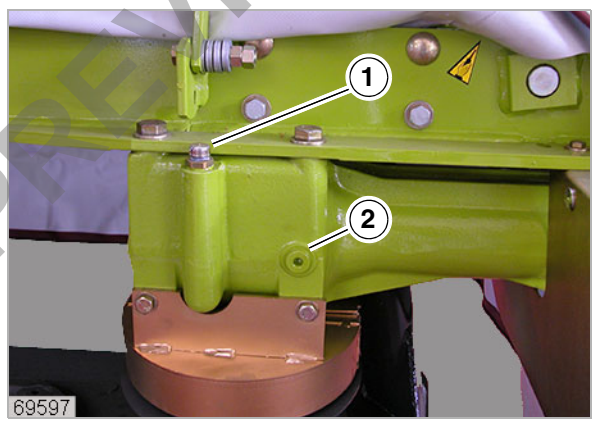
Right hand side (R):

Oil filling capacity: 1,0 litre

(1) = Filling hole, breather valve and dipstick

(2) = Drain screw

(Fig. 4 -6)



6

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Mowing

Attention!

Keep the terrain to mow free of foreign matter.

Danger!

Before operation and after driving into an obstacle check the mower unit for damaged, missing or worn mower blades and check the mower blade fasteners.

Check that the mower blades are correctly seated.



15

- Lower the mower unit to the working position.

During work, the hydraulic control lever for the tractor hydraulic connection must be in the Float (free gear) position.

- Before entering the field to be mowed, turn on the tractor PTO shaft and slowly accelerate to the maximum permitted PTO shaft speed . The whistling noise of the cutting discs at high speed is completely normal and is generally muffled during actual mowing.
- Move into the forage.

Always operate using the hand throttle while mowing to avoid fluctuations in the rotational speed.

The driving and crawling speed are to be set according to the respective operating condition (condition of the ground, density, height and nature of the forage).

Reduce ground speed when working in dense or flattened forage and when mowing around a curve.

It is not possible to mow in reverse with the mower unit. Raise the mower unit when reversing.

Do not mow on rocky ground!

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Sound level from the DISCO 3450 / 3050 C / 3050 / 2650 C / 2650 Disc Mower

Sound level is determined in accordance with the measuring procedure set out in document

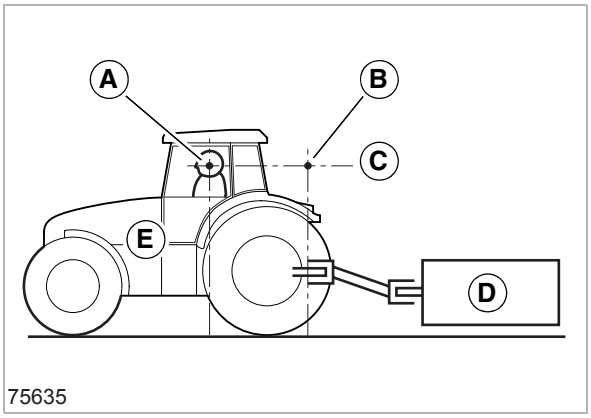
HM Agricultural Inspectorate
AGRICULTURAL MACHINERY NOISE
Legislation and guidance on methods of testing
(Annex to AIC 1986/117 REV)
February 1988
Health and Safety Executive

The measuring method used corresponds to procedure no. 4 set out in the above document.

Not specified conditions of test are in accordance with ISO 5131.

Power of the tractor used for the measurement: 110 kW (150 PS) for DISCO 3450 and 103 kW (140 PS) for DISCO 3050 / 3050 C / 2650 / 2650 C.

Measurement is performed with the machine stationary on a short grass level and operated at a pto speed of 1000 rpm for DISCO 3450 and 540 rpm for DISCO 3050 / 3050 C / 2650 / 2650 C.



A = Microphone location 1

B = Microphone location 2

C = Horizontal

D = Machine

E = Tractor

(Fig. 2)

2

A-rated equivalent continuous sound pressurel

DISCO 3450	**Tractor without machine**		**Tractor with machine**	
Cab window	open	closed	open	closed
Microphone location - 1 L(A) eq	78,6 dB (A)	78,2 dB (A)	89,5 dB (A)	79,3 dB (A)
Microphone location - 2 L(A) eq	84,0 dB (A)	83,2 dB (A)	91,3 dB (A)	90,6 dB (A)

DISCO 3050	**Tractor without machine**		**Tractor with machine**	
Cab window	open	closed	open	closed
Microphone location - 1 L(A) eq	80,5 dB (A)	71,7 dB (A)	87,6 dB (A)	73,1 dB (A)
Microphone location - 2 L(A) eq	87,0 dB (A)	86,6 dB (A)	95,0 dB (A)	94,8 dB (A)

DISCO 3050 C	**Tractor without machine**		**Tractor with machine**	
Cab window	open	closed	open	closed
Microphone location - 1 L(A) eq	80,2 dB (A)	72,5 dB (A)	87,3 dB (A)	72,9 dB (A)
Microphone location - 2 L(A) eq	84,2 dB (A)	84,5 dB (A)	94,7 dB (A)	95,1 dB (A)

DISCO 2650	**Tractor without machine**		**Tractor with machine**	
Cab window	open	closed	open	closed
Microphone location - 1 L(A) eq	79,5 dB (A)	70,7 dB (A)	86,6 dB (A)	72,0 dB (A)
Microphone location - 2 L(A) eq	85,9 dB (A)	85,6 dB (A)	94,0 dB (A)	93,8 dB (A)

DISCO 2650 C	**Tractor without machine**		**Tractor with machine**	
Cab window	open	closed	open	closed
Microphone location - 1 L(A) eq	79,7 dB (A)	70,0 dB (A)	87,0 dB (A)	72,5 dB (A)
Microphone location - 2 L(A) eq	85,2 dB (A)	85,3 dB (A)	95,1 dB (A)	94,9 dB (A)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 92 pages

The full manual includes:

- All 92 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Claas DISCO 3450, DISCO 3050, DISCO 3050 PLUS, DISCO 3050 C PLUS, DISCO 2650, DISCO 2650 PLUS, DISCO 2650 C PLUS, DISCO 3450 PLUS Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual