

## **OPERATOR'S MANUAL**

### ***Rotary Mower and Mulch Mower***



# Introduction

**Dear Customer**

**Thank you for buying an Egholm product**

The Egholm 2001 is a Danish designed and manufactured product which offers a very flexible way of maintaining outdoor areas.

**Optimal performance of your Egholm Mulch or Rotary Mower:**

To ensure the optimal performance of your Egholm Mulch or Rotary Mower, please read this operator's manual carefully before starting to use the machine. Failure to do so can result in personal injury and damage to the machine.

**Safety:**

The Mulch/Rotary Mower is equipped with various devices to ensure optimal operational safety both for the user and the surroundings. We therefore ask you to pay particular attention to Section 1.1 Safety. The machine must only be serviced by professionals.

The Mulch/Rotary Mower is designed only for use by professionals. On delivery, the user will receive thorough training to become a competent operator. Do not lend the machine to anyone who has not been thoroughly trained and has not read this manual carefully.

The operator's manual should be considered as a permanent part of the machine and so must remain with it if the machine is sold.

**Warnings:**

Some items in this operator's manual are marked with this warning symbol.



The warning indicates areas where extra care has to be taken to avoid personal injury or damage to the machine and its accessories. The warning also shows what you should pay special attention to.

**Reservations:**

As it is the Egholm policy to make continuous improvements, we reserve the right to alter the specifications and equipment at any time without notice. Egholm Maskiner A/S accepts no liability for errors or shortcomings in the operator's manual.

**Contact us:**

Should you have questions of any kind regarding your new Egholm product, do not hesitate to contact Egholm Maskiner A/S.

Best regards

Egholm Maskiner A/S - Transportvej 27 - DK - 7620 Lemvig

Tel: (+45) 97 81 12 05 - Fax: (+45) 97 81 12 10

e-mail: egholm@egholm.dk - www.egholm.dk

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## 1. General information

The Egholm Rotary/Mulch Mower is ideal for all lawn-mowing applications; it can effectively take care of the most tortuous of lawns.

The Mulch Mower cuts and recuts the grass into tiny particles and blows them down into the lawn. The fine cut grass decomposes rapidly and is left to mulch the lawn throughout the summer.

The Rotary Mower has rear discharge and is especially suitable for handling tall grass. It leaves the lawn looking well groomed, even when the grass has grown tall and rough.

The Egholm mowers both come standard with piano wheels which make the mower follow the steering and thereby avoiding tracks on the lawn.

Performance per hour is 5 – 10,000 m<sup>2</sup>. With a working width of 1210 mm, the Egholm 2100 briskly handles all lawn areas.

## Useful tips

Keep an eye on the radiator grille whilst mowing dry dusty grass: radiator choking can be avoided by installing a larger cover.

Do not cut more than one third of the grass-blade height at any one time. Adjust the mowing frequency hereafter.

Mowing too fast can scalp the grass - reduce your mowing speed in order to achieve a nice even cut.

Always use the large radiator cover when mowing.

In order to protect the hydraulic system, wipe the hose couplings clean before attaching them.

Daily cleaning and maintenance extends the lifetime of machine and implements.

# 1. General information

## 1.1 Safety



**Make sure no one is standing too close to the machine:**

*Make sure no one is near the machine while it is in use as there is a danger of crushing.*



**N.B.!**

*As it is articulated, the rear of the machine swings out when turning. Make sure no one is near the machine as there is a danger of crushing. (Picture 1)*



**Avoid finger injuries!**

*Keep your hands and fingers away from areas where there is danger of crushing. (Picture 2)*



**Avoid roll-overs:**

*Do not drive the machine in a place where it can slide, tip or roll.*

*Do not drive on slopes with an incline of more than 10°. (Picture 3)*



**Reduction of noise and energy consumption:**

*It is recommended not to drive with a higher engine speed than necessary, to reduce the noise and energy consumption.*



**Warning! Rotating parts!**

*Make sure that no one puts their fingers or toes under the mower while it is running, to avoid personal injuries. (Picture 4)*



**Inspect the working area!**

*Make sure to remove stones and twigs from the lawn. These can be flung from the mower unintentionally and cause personal injuries and damage to the machine and its implements.*

1

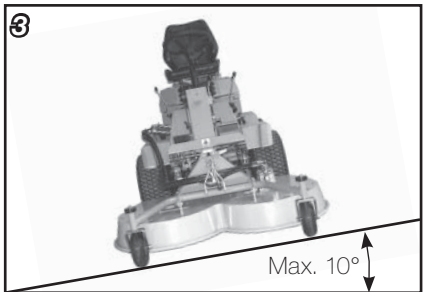


Prevent people from standing in the working area

2



Crush danger



Do not drive on slopes with an incline of more than 10°



Warning label

# 1. General information

## 1.2 EC Declaration of Conformity for Machinery

Manufacturer: Egholm Maskiner A/S  
Address: Transportvej 27, DK-7620 Lemvig  
Phone: (+45) 97 81 12 05

### **Hereby declares that**

- Machine: Mulch Mower/Rotary Mower      Type: LM 1200  
Serial no.: \_\_\_\_\_      Year: \_\_\_\_\_
- is in conformity with the provisions of the Machinery Directive (directive 98/37/EC) and with national implementing legislation.
- is in conformity with the provisions of the following other EC directives:  
directive 2000/14/EC

### **The Egholm 2100 fitted with the cab FH 2100 (ROPS approved)**

- has been tested at the Danish Institute of Agricultural Sciences at Bygholm in conformity with directive 86/298/EEC concerning rear mounted roll-over protection structures of narrow-track wheeled agricultural and forestry tractors.

Place: Lemvig

Date: \_\_\_\_\_

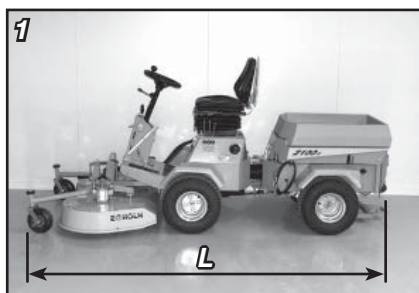
Signature: Kaj Egholm  
Managing Director Kaj Egholm

# 1. General information

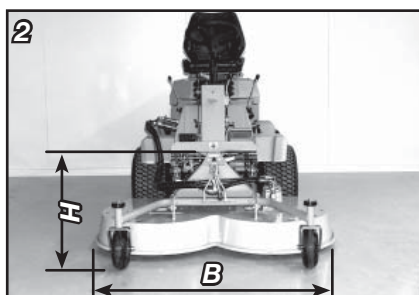
## 1.3 Technical data

### Dimensions:

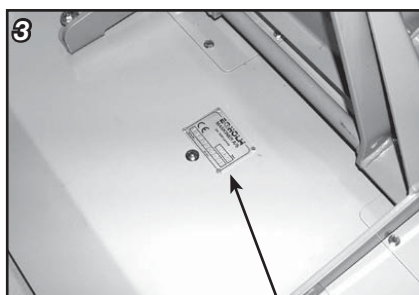
	Assembled:	Storage dimensions:
Length (L):	2,780 mm	980 mm
Width (B):	1,290 mm	1,290 mm
Height without cab (H):	540 mm	500 mm
Height with cab:	1,935 mm	



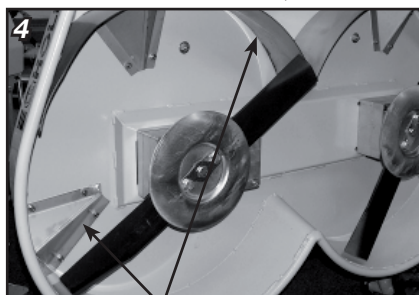
Side view



Front view



Location of model plate



Mulch-Kit for Rotary Mower

### Technical data:

Type description:	LM1200
Sound power level re Directive 2000/14/EU LWA:	105 dB(A)
Own weight:	96 kg
Mowing width:	1210 mm
Height adjustment:	30-70 mm
Capacity per hour, approx.:	ca. 5.000 -10.000 m <sup>2</sup>
Ground clearance below mower:	110 mm
No of blades:	2
Cutting speed - Tip speed:	77 m/sec

### N.B.:

Specifications may be changed without prior notice.

### Optional Accessories:

90501591 Mulch-Kit for Rotary Mower.

90203071 Large radiator cover (recommended when mowing very dry grass).

## 2. Instructions for use

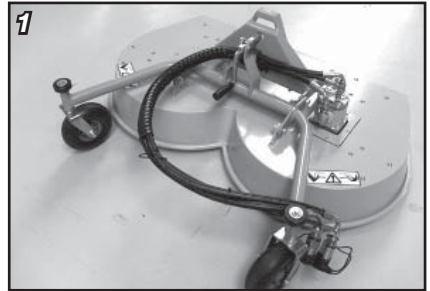
### 2.1 Assembly/Disassembly

#### Assembly:

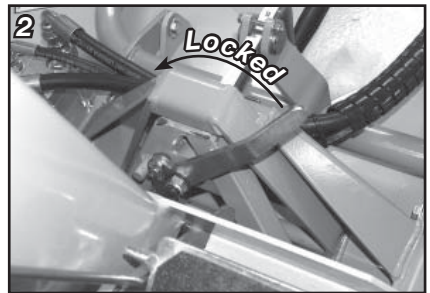
1. It is recommended that the hydraulic hoses should be run over the mower in front of the A-frame to keep them clear and free from dirt when the mower is being fitted. (Picture 1)
2. The locking handle on the A-frame of the basic machine must be in the open position. (Picture 2)
3. Drive the basic machine right up to the A-frame of the mower, so the A-frames fit into each other. (Picture 2)  
*N.B.! It is recommended not to lower the A-frame of the basic machine completely as this can damage the paint on the mower when the A-frames are connected.*
4. Raise the A-frame with lever A on the left-hand side of the machine until the piano wheels are freely suspended above the ground. (Picture 3)
5. Stop the machine. (See the operator's manual for the basic machine, section 2.2)
6. Lock the mower in place with the locking handle on the A-frame. (Picture 2)
7. Fit the hydraulic hoses on the connectors D1, D2 and D3 on the right-hand side of the machine. (Picture 4)
8. Attach the hydraulic hoses with the rubber strap under the running board to ensure it runs correctly over the screen.

#### Disassembly:

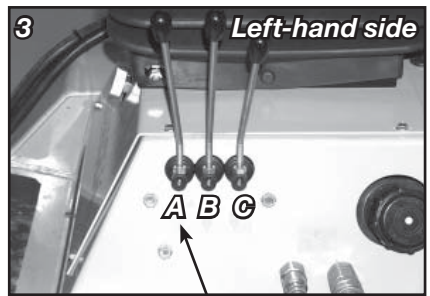
Follow the procedure for assembly in reverse order. Put the protective caps on the snap couplings to protect them from dirt.



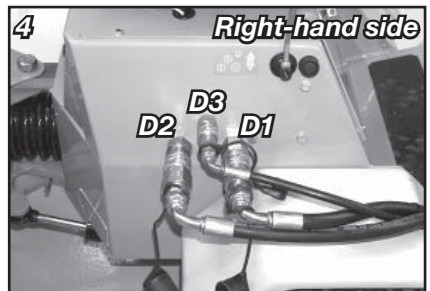
Hydraulic hoses



Locking handle on the A-frame - open



Lever A



Connectors D1, D2 and D3



## 2. Instructions for use

### 2.2 Before start-up

During transport, lock the mower in the raised position with the transport lock. (Picture 1)

Before start-up and fitting the mower, make sure the blades are sharp, intact and without cracks. This avoids unnecessary stops during mowing.



#### **Warning!**

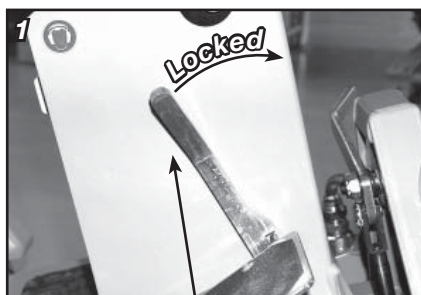
**Make sure to remove stones and twigs from the lawn. These can be flung from the mower unintentionally and cause personal injuries and damage to the machine and its implements.**



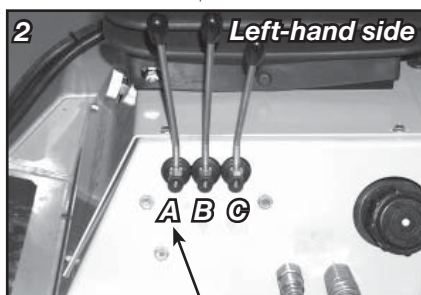
**Make sure to drive around well covers etc. to avoid damage to the blades and the shield.**

### 2.3 Start-up

1. Start the machine. (See the operator's manual for the basic machine, section 2.2)
2. Lower the mower by pushing lever A on the left-hand side of the machine down to position 2. (Picture 2)
3. Hold the lever A down for about 2 seconds, as after this the mower is in a floating position and will follow the contours of the surface.
4. Turn the throttle lever so that it is at least half way. (Picture 3)
5. Start the mower by slowly pushing lever D on the right-hand side of the machine up to position 1. (Picture 4)
6. Now open the throttle fully (full power) to achieve the correct blade speed. (Picture 3)  
*Adjust the driving speed to suit the conditions.*



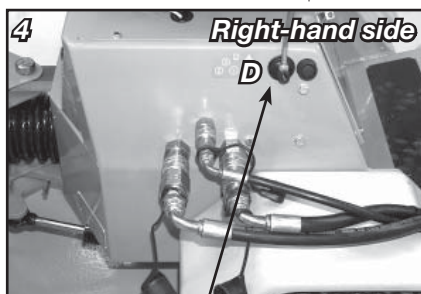
Transport lock



Lever A



Turn throttle until half open



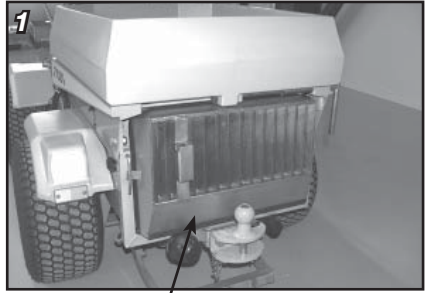
Lever D



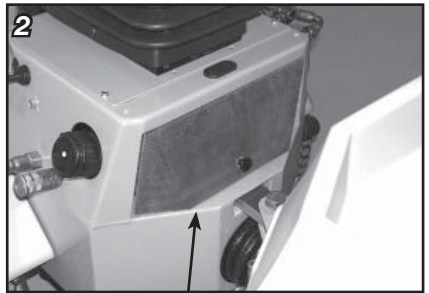
## 2. Instructions for use

7. While mowing, make sure to keep the water cooler, the oil cooler and the radiator cover free from grass, to avoid overheating. (See section 3.1 Cleaning).

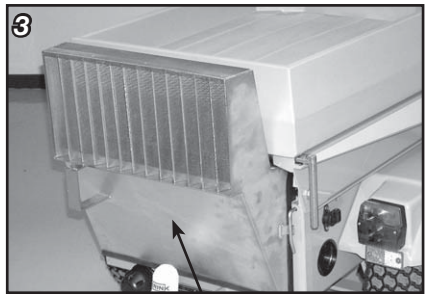
It is recommended always using the large radiator cover when mowing. The large radiator cover can be ordered from an authorised Egholm distributor.



Water cooler cover



Oil cooler cover



Large radiator cover



**Warning! Rotating parts:**  
*Make sure no one puts their fingers or toes under the mower while it is running to avoid personal injuries.*



**Make sure no one is standing too close to the machine!**  
*Make sure no one is near the machine while it is in use as there is a danger of crushing.*



**N.B.!**  
*As it is articulated, the rear of the machine swings out when turning. Make sure no one is near the machine as there is a danger of crushing.*

## 2. Instructions for use

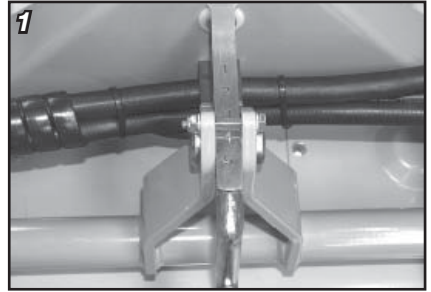
### 2.4 Adjustment

#### Adjusting the cutting height:

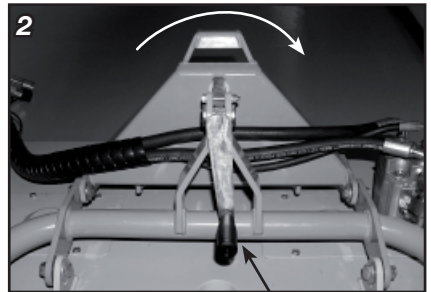
It is recommended to start with a high cutting height, to avoid cutting the grass too short.

#### Adjustment is carried out as follows:

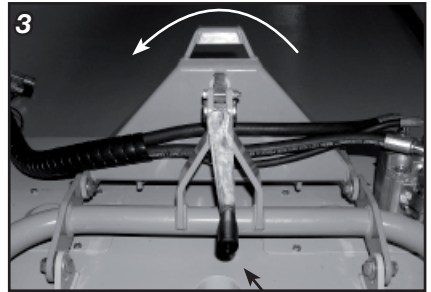
1. Stop the machine. (See the operator's manual for the basic machine, section 2.2).
2. Turn the adjustment crank handle.
  - a. Clockwise for a higher cutting height. (Picture 2)
  - b. Counter-clockwise for a lower cutting height. (Picture 3)
3. Check the cutting height and repeat the adjustment until the required height is achieved.



Adjustment scale



Higher cutting height - Adjustment crank



Lower cutting height - Adjustment crank

# 3. Service and Maintenance

## 3.1 Cleaning

### Cleaning the mower:

1. Stop the machine. (See the operator's manual for the basic machine, section 2.2)
2. Dismount the mower. (See section 2.1)
3. Tip the mower. (Picture 1)
4. Clean the mower with water.

*It is recommended to clean the mower immediately after mowing to keep the grass from sticking to the shield and the blades*

### Cleaning the water cooler:

1. Remove the water cooler cover by turning the two spring-loaded handles out to the side. (Picture 2)
2. Blow the ribs and the cover clean with compressed air.
3. The ribs can be washed with clean water.



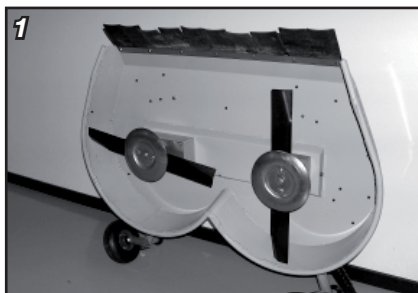
**N.B.!**  
**Do not use hard implements for cleaning the water cooler as this can damage the ribs.**

### Cleaning the oil cooler:

1. Remove the oil cooler cover. (See the operator's manual for the basic machine, section 2.2) (Picture 3)
2. Blow the ribs and the cover clean with compressed air.



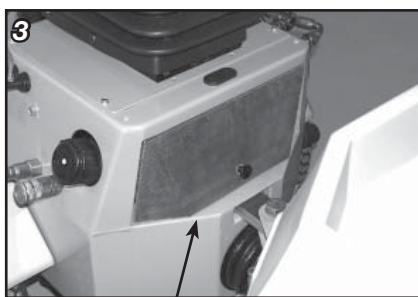
**N.B.!**  
**The cooler must be cleaned with compressed air before it is washed; otherwise dirt will stick to it.**



Mower tipped



Water cooler cover



Oil cooler cover

# 3. Service and Maintenance

## 3.2 Maintenance

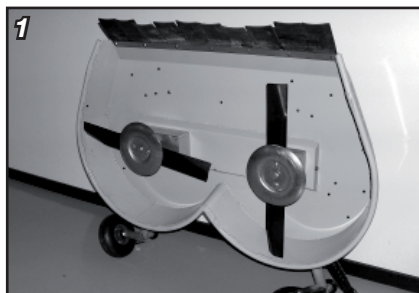
### Replacing the blades:

When the blades are damaged, the mower will start to vibrate. The blades are then to be replaced as follows:

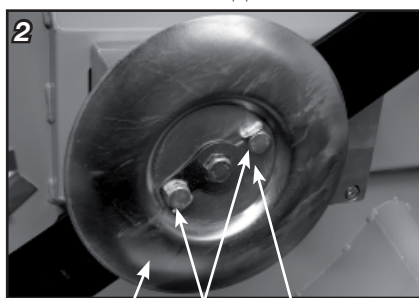
1. Stop the machine. (See the operator's manual for the basic machine, section 2.2)
2. Dismount the mower. (See section 2.1)
3. Tip the mower. (Picture 1)
4. Open the strike plate that holds the bolts with a screwdriver or a chisel. (Picture 2)
5. Unscrew the bolts and remove the strike plate and the disk.
6. Fit the new blades. The cutting edge is to be placed in the cutting direction. (Picture 3)  
*It is recommended to replace the blades one by one to make sure that they are fitted correctly.*
7. Refit the disk and the strike plate and tighten the bolts. The bolts are to be tightened with 85 nM moment.
8. Bend the strike plate against a flat side of the bolt to lock the bolt.

*It is recommended only to use the strike plate twice and not to bend it in the same place, to avoid the blades falling out when mowing.*

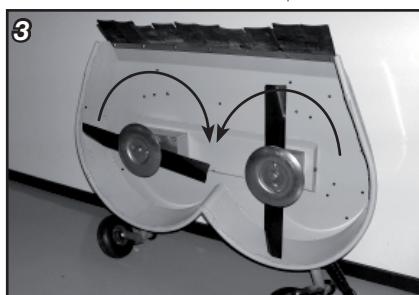
New blades and strike plate can be ordered from an authorised Egholm distributor.



Mower tipped



Disk, Bolts - Strike plate



Cutting direction of the blades

## **3. Service and Maintenance**

### ***Sharpening the blades:***

1. Stop the machine. (See the operator's manual for the basic machine, section 2.2)
2. Dismount the mower. (See section 2.1)
3. Remove the blades. (See page 12)
4. When sharpening the blades, both sides must be equally sharpened to avoid imbalance.
5. Re-fit the blades. (See page 12)

### ***Replacing the V-belt:***

The V-belt must be replaced every year by an Egholm distributor.

### ***Winter storage:***

When it is time to store the mower for the winter, the following steps are recommended:

1. Remove any loose paint and repaint any damaged areas.
2. Spray the mower with preservative oil.

# 4. Conditions

## 4.1 Warranty

The warranty period for the materials and manufacture of this Mulch Mower/Rotary Mower is 12 months from the date of purchase.

In case of errors or defects on the machine within the warranty period, Egholm Maskiner A/S will carry out the necessary repairs without charge for materials and working hours in accordance with the terms and conditions listed below. The customer is to cover the costs for transportation.

### **The scope of warranty:**

1. The Egholm warranty is only valid on presentation of the original receipt supplied with model description, serial number and date of purchase.
2. Regular checks, adjustments, services and technical alterations are not covered by the guarantee.
3. All inquiries concerning the warranty are to be addressed to the place where the machine was purchased.
4. This warranty does not cover faults and defects which cannot be traced back to defects in material or production errors.
5. Egholm Maskiner A/S reserves the right to make improvements and design-related alterations to the machine without being obliged to modify previously delivered models in relation hereto.
6. This warranty is valid for persons who have legally acquired the machine within the warranty period.

### **The guarantee does not cover:**

- \* Wear and tear, accidents, damage to the equipment caused by operating errors, improper utilization of the machine, changes to the construction of the machine or use of non-Egholm spare parts or implements.
- \* Machines with illegible serial numbers.
- \* Damage caused by force majeure such as lightning, flood, fire, war, civil disturbance etc. or other causes over which Egholm Maskiner A/S has no control.

## **4. Conditions**

### **4.2 Conditions of complaint**

All inquiries regarding the machine should be made to the distributor from whom the machine was purchased. This applies to inquiries concerning normal use, service, maintenance and spare parts as well as to any complaints.

If there are questions that the distributor cannot answer, please do not hesitate to contact Egholm Maskiner A/S directly. Also feel free to contact us with suggestions or requests for special implements and/or features for the machine. We wish you many years of safe and satisfied use of your machine.

Best regards

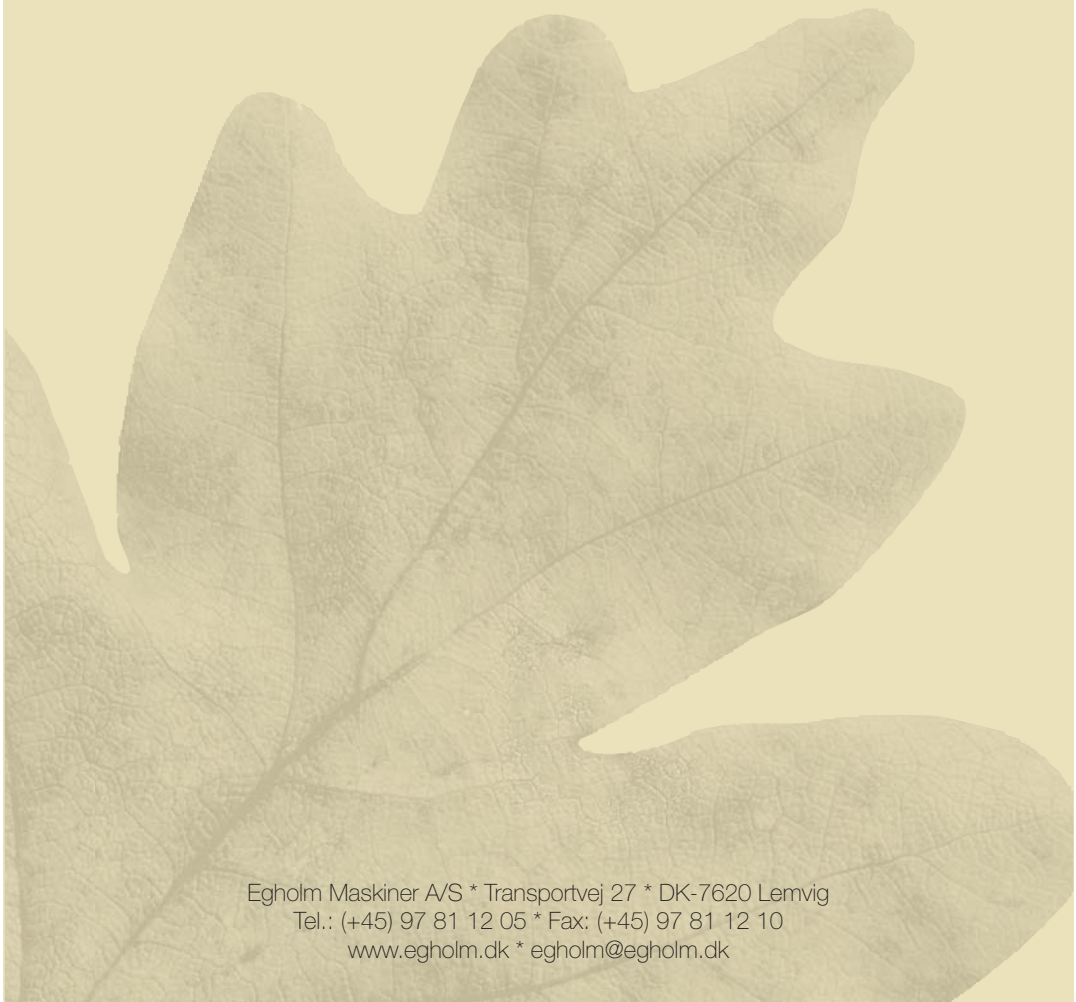
Egholm Maskiner A/S - Transportvej 27 - DK -7620 Lemvig, tel: +45 97 81 12 05, fax: +45 97 81 12 10

### **4.3 Disposal**

When – many years from now – your Egholm Mulch Mower/Rotary Mower comes to the end of its working life, it should be disposed of in a responsible manner and conform with the relevant disposal regulations.

1. Used hydraulic oil is to be disposed of at an approved waste disposal facility or site.
2. Remove all plastic and rubber parts and discard in a dustbin.
3. After the parts mentioned have been removed, the machine is ready to be handed over to one of your local approved scrap merchants.



A large, faint, light-colored leaf is centered on the page, serving as a background element. The leaf's veins are clearly visible, and its shape is reminiscent of a maple leaf.

Egholm Maskiner A/S \* Transportvej 27 \* DK-7620 Lemvig  
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[www.egholm.dk](http://www.egholm.dk) \* [egholm@egholm.dk](mailto:egholm@egholm.dk)