Maintenance Guide:
The Lelievlet

"When one door closes, another door opens" - Alexander Graham Bell

You probably have heard of this quote before. As the weather gets cold and gloomy, the water of the Rhine is not suitable for sailing and the sailing season comes to an end. However this leaves space for new opportunities… Maintenance!

Maintenance is needed for the long and prosperous survival of our boats and our precious materials.

This Maintenance Guide aims to explain what happens at each maintenance session. The season starts when the boats get taken out of the water. Then, until christmas break, maintenance evenings take place every **Tuesday** and **Thursday**. It is recommended to wear warm clothes that are allowed to get dirty, because it will definitely get chilly and filthy in the loods.

Maintenance consists of woodwork and boatwork. Every evening we focus on these tasks, and a general description of every maintenance session will be given in this guide.

Disclaimer:
The information from this guide was taken from "Boat Maintenance - The complete guide" written by *Guus Beerkens*. For more detailed information and useful tips, I recommend that you look in that guide.
For each session, the chapter and page number of the guide will be referenced under the title.

You can find this guide on the website under:
Member's menu > Maintenance > Documents > "Boat Maintenance - The complete guide"

Date	Session number	Responsible Boat	Responsible Woodwork	Boatwork	Woodwork	Notes	Estimated budget
	1			Dismantle Ran			
	2			Ran out the water			
07-11	4				Sanding woodwork		
12-11	5			Sand and prime outer hull	Owls piss layer		
14-11	6			Tar first layer	First layer pure varnish		
19-11	7			Tar second layer	Second layer pure varnish		
21-11	8			Sand inside and gunwhale		Flip Boat +2 points	
26-11	9			Prime inside and gunwhale			
28-11	10			Paint gunwhale and tar bottom			
3-12	11			Paint inner hull above waterline			
5-12	12			Paint gunwhale and tar bottom			
10-12	13			Paint inner hull above waterline			
12-12	14			Paint names and logos			
17-12	15						
19-12	16						

Materials checklist:

More information (3. Tools - Page 7)

Sanding:

- ☐ 3 x 80 grid sandpaper
- ☐ 3 x 120 grid sandpaper
- ☐ 2 x 180 grid sandpaper
- ☐ 1 x 240 grid sandpaper
- ☐ Scrapers
- ☐ Metal brushes
- ☐ Old towel
- ☐ Face masks
- ☐ Sanding machines (optional)
- ☐ Rotating blasters (optional)
- ☐ Heat gun (optional)

Priming:

- ☐ Interturf 203 Aluminium (silver colour)
- ☐ 8 x 15mm round alkyd brushes (red)
- ☐ 1 x 10cm spongey roller
- ☐ Bracket (for centerboard)

Tarring:

- ☐ Interturf 16 Black
- ☐ 8 x 60mm flat brush
- ☐ 2 x 10cm spongey roller + bracket (for centerboard)
- ☐ 2 x 30 mm Masking tape
- ☐ Paint trays

Painting:

- ☐ Orange lacquer 0.5L - 0.75L   (
- ☐ Interturf 262 (white paint)
- ☐ 17 x 10cm spongey roller + bracket
- ☐ 8 x 15mm round alkyd brushes (red)
- ☐ 4 x 6-10mm round alkyd brushes for painting letters
- ☐ 2 x 30mm Masking tape
- ☐ Paint trays

Woodwork:

- ☐ 12 x 35-40mm flat brush
- ☐ 1L turpentine
- ☐ Varnish
- ☐ Plastic cups (glass also works)

Session 1:
Dismantling the boat

Tools necessary:
- Duct Tape for naming
- Marker for naming

Session 2:
Getting the boat out of the water

Material necessary:
- Marker

To do:
- Boat inspection for spots that require extra attention

Session 3:
Sanding woodwork

Sanding woodwork:
More information (9. Sanding - Page 32)

Material necessary:
- 220 grid sandpaper
- 120-180 grid sandpaper for rougher spots
- Damp towel

To do:
- Sand all wood

Reminder:
- Warm socks
- Clothes that can get dirty

Session 4:
Sanding and priming the outer hull & Varnishing woodwork (Owl's Piss)

Sanding and Priming the outer Hull:
More information (5. Sanding- Page 22 and Priming - Page 25)

Tools necessary for sanding:
More information (3.1 Tools for sanding - Page 7)
- Sanding paper 120 or 180 grid
- Damp towel
- Paint Scrapers
- Metal brushes
- Face masks

To do:
- Sand the whole boat (sand paper) (sanding machine)
- Take off rust spots (Metal brush)
- Take off paint rot (Scrapers) (heat gun optional)

Material necessary:
- Interturf 203 Aluminium (silver colour)
- 15mm round brushes
- Damp towel

To do:
- Mix the primer well
- Dust and clean surfaces before applying primer
- Prime damaged spots
- Prime twice if especially damaged
    - Wait for the first layer to dry, then lightly sand, then clean the dust off
- Unnecessary to put on undamaged paintwork

Varnishing woodwork (Owl's piss):
More information (10.1 Owl's piss - Page 36)

Material necessary:
- Owl's piss: (3:2 or 1:1 varnish-turpentine ratio)
- 35-40mm flat brush
- Cloth
- Damp towel
- 220 grid sandpaper

To do:
- Sand with 220 grid sandpaper between layers of varnish.
- Apply on wood

- Avoid the handles of the oars
- Avoid drippings

Reminder:
- Warm socks
- Clothes that can get dirty

Session 5:
Tar first layer & Varnishing woodwork (Medium blend)

Tar first layer:
More information (7. Tarring - Page 26)

Material necessary:
- Interturf 16 Black
- 60mm flat brushes
- Sanding paper 120 or 180 grid
- Masking tape
- Roller or elongated bracket
- Damp towel

To do:
- Sand lightly before tarring
- Clean surface with damp towel to remove dust
- Tar Rudder and centreboard

Varnishing woodwork (Medium blend):
More information (10.2 Medium blend - Page 37)

Material necessary:
- 3:1 varnish-turpentine ratio
- 35-40mm flat brush
- Cloth
- Damp towel
- 220 grid sandpaper

To do:
- Sand with 220 grid sandpaper between layers of varnish.
- Apply on wood
- Avoid the handles of the oars
- Avoid drippings

Reminder:
- Warm socks
- Clothes that can get dirty

Session 6:
Tar second layer & Varnishing woodwork (pure varnish)

Tar second layer:
More information (7. Tarring - Page 26)

Material necessary:
- Interturf 16 Black
- 60mm flat brushes
- Sanding paper 120 or 180 grid
- Masking tape
- Roller or elongated bracket
- Damp towel

To do:
- Sand lightly before tarring
- Clean surface with damp towel to remove dust
- Tar Rudder and centreboard

Varnishing woodwork (pure varnish):
More information (10.3 Pure varnish - Page 37)

Material necessary:
- Varnish
- 35-40mm flat brush
- Cloth
- Damp towel
- 220 grid sandpaper

To do:
- Sand with 220 grid sandpaper between layers of varnish.
- Apply on wood
- Avoid the handles of the oars
- Avoid drippings

Reminder:
- Warm socks
- Clothes that can get dirty

Session 7:
Sand inside and gunwale

Sand inside and gunwale:
More information (5. Sanding - Page 22)

Tools necessary:
More information (3.1 Tools for sanding - Page 7)
- Sanding paper 120 or 180 grid
- Damp towel
- Paint Scrapers
- Metal brushes
- Heat gun (optional?)
- Sanding machine (optional)
- Rotating blasters (optional)
- Face masks

To do:
- Flip the boat
- Sand the whole boat (sand paper) (sanding machine)
- Take off rust spots (Metal brush)
- Take off paint rot (Scrapers) (heat gun optional)

Session 9:
Prime inside and gunwale
More information (7. Tarring - Page 26) (8. Painting - Page 28)

Prime inside and gunwale:
More information (6. Priming - Page 25)

Material necessary:
- Interturf 203 Aluminium (silver colour)
- 15mm round brushes
- Roller or elongated bracket

To do:
- Mix the primer well
- Dust and clean surfaces before applying primer
- Prime damaged spots
- Prime twice if especially damaged
- Unnecessary to put on undamaged paintwork

Reminder:
- Warm socks
- Clothes that can get dirty

Session 10:
Paint gunwale and tar bottom

Tarring:

More information (7. Tarring - Page 26)

Material necessary for tarring:
- Interturf 16 Black
- 60mm flat brushes
- Sanding paper 120 or 180 grid
- Masking tape
- Damp towel
- Vacuum cleaner (if possible)

To do tarring bottom:
- Sand lightly before tarring
- Clean surface with damp towel to remove dust
- Work from front to rear one square at a time
- Take off shoes when working in the boat.

Painting:

More information (8. Painting - Page 28)

Material necessary for painting:
- Interturf 262 (white paint); Orange lacquer paint (4:1 white-orange ratio)
- Sanding paper 120 or 180 grid
- Damp towel
- Round brushes (diameter 15), paint rollers (3:2 brush-roller ratio)
- Masking tape

To do painting gunwale:
- Mix the orange and white paint in a tray
- Lightly sand the surface
- Clean the surface
- Tape off the edges
- Brush first to cover the creases
- Roll after for larger surfaces

Reminder:
- Warm socks
- Clothes that can get dirty

Session 11:
Paint inner hull above waterline

Paint inner hull above waterline:
More information (8. Painting - Page 28)

Tools necessary:
- Interlac RAL 5003, which is a bright blue paint.
- Sanding paper 120 or 180 grid
- Damp towel
- Round brushes (diameter 15), paint rollers (3:2 brush-paint ratio)
- Masking tape

To do:
- Lightly sand
- Clean surface
- Tape off the edges
- Paint
    - Brush first to cover the creases
    - Roll after for larger surfaces

Reminder:
- Warm socks
- Clothes that can get dirty

Session 12:
Paint gunwale and tar bottom

Tarring:
More information (7. Tarring - Page 26)

Material necessary:
- Interturf 16 Black
- 60mm flat brushes
- Sanding paper 120 or 180 grid
- Masking tape
- Damp towel
- Vacuum cleaner (if possible)

To do:
- Sand lightly before tarring
- Clean surface with damp towel to remove dust
- Work from front to rear one square at a time
- Take off shoes when working in the boat.

Painting:
More information (8. Painting - Page 28)

Material necessary:
- Orange lacquer paint
- Sanding paper 120 or 180 grid
- Damp towel
- Round brushes (diameter 15), paint rollers (3:2 brush-paint ratio)
- Masking tape

To do:
- Tape off the edges
- Lightly sand the surface
- Clean the surface
- Paint the gunwale
    - Brush first to cover the creases
    - Roll after for larger surfaces

Reminder:
- Warm socks
- Clothes that can get dirty

Session 13:
Paint inner hull above waterline

Paint inner hull above waterline:
More information (8. Painting - Page 28)

Material necessary:
- Interlac RAL 5003, which is a bright blue paint.
- Sanding paper 120 or 180 grid
- Damp towel
- Round brushes (diameter 15), paint rollers (3:2 brush-paint ratio)
- Masking tape

To do:
- Lightly sand
- Clean surface
- Tape off the edges
- Paint
    - Brush first to cover the creases
    - Roll after for larger surfaces

Reminder:
- Warm socks
- Clothes that can get dirty