



No. 9972-4720XXX

DRUM TRAILER 4720

POWER PACK

USER MANUAL



MADE IN HOLSLJUNGA



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THANK YOU FOR CHOOSING A SAHLINS PRODUCT!

We want you to be happy with your equipment. This instruction manual has been written to facilitate its safe handling and maintenance. Please read the manual thoroughly before using the equipment so that you are aware of the safety measures you need to take when using it.

General information

During the design and manufacture of the equipment, we have taken great care to reduce risks from a health and safety perspective.

Laying cables or installing ropes involves a variety of risks, and to reduce these, it is important:

- to study and follow the instructions
- to ensure periodic staff training in maintenance and safety
- to ensure the availability of appropriate equipment and tools
- that the owner and management are responsible for ensuring that effective safety programs and regulations are prepared and followed by the entire staff.

Our instructions contain important information that all users should know and understand before they use the equipment. To ensure your and others' safety, special attention should be paid to the points/sections with the following headings:

WARNING!

Important information that warns you about the risk of serious personal injuries or danger to life, if the instructions are not followed.

CAUTION

Important information that describes how to prevent damage to machinery and equipment or how to avoid a situation that can cause personal injury.

NOTE

Advisory information regarding the operation, care and maintenance of machinery and equipment.

SAFETY RULES

General safety rules

1. Read and acquaint yourself with all of the warnings, precautionary measures and instructions in the user and care manual, and read and learn the importance of all the signs on and around the equipment. In case of any doubt, ensure that you have answers to all your questions before starting the work.
2. Do not work with machinery or equipment under the influence of alcohol, strong medication, sedatives or other drugs that may reduce your alertness or affect your judgement.
3. Take safety measures such as not wearing loose clothing which can get stuck in moving parts or controls.
4. If possible, always wear gloves to protect your hands and fingers against cuts and abrasions, burns and solvents.
5. Always use protective goggles if there is a risk of flying particles, flakes of material, dust or other objects that can damage your eyes, and when required by safety regulations. Protect your eyes!
6. Always use protective goggles if there is a risk of flying particles, flakes of material, dust or other objects that can damage your eyes, and when required by safety regulations. Protect your eyes!
7. Always use a protective helmet and safety shoes for such work.
8. Always use hearing protection in work areas with high noise levels.
9. Do not lift unnecessarily, which could harm your back, rather use tools. Use your legs and not your back when you are forced to lift on your own.

Safety in the workplace

10. Keep the work area clean and free of material.
11. Do not permit unauthorised staff to be present within or around the work area. Always keep complete control of who is present.
12. Areas that come in contact with hands or feet must be kept clean, dry and free of oil or grease.
13. Store spare parts and tools in the designated places when these are not in use.
14. Perform a control over warning equipment in the work area and make sure that each individual unit works satisfactorily before starting the equipment.
15. Do not stand beneath or permit anyone else to stand beneath equipment that is lifted or suspended.
16. Acquaint yourself with the weight limitations of ropes and lifting equipment and the free space required for these.
17. Be alert to conditions that can obstruct supervision of the work area and its surrounding area.

Equipment safety

18. Warning, prohibition and information signs may not be concealed, changed, damaged or removed.
19. Never climb on the equipment during operation, transport or lift, and do not allow any one else to do it.
20. Check the components in the equipment before each operation to ensure that no parts are damaged or are suspected to be damaged. Repair or replace damaged parts or parts which are suspected to be damaged. Repair or replace damaged parts before starting and operating the equipment. Only use genuine spare parts.
21. Before starting on operating equipment, ensure that no people, animals, tools, spare parts or other foreign objects are present in, on, under or around it. Check that all protective and safety equipment is correctly installed and in satisfactory condition.
22. Before starting the machine, make sure that all the staff and visitors in the work area have been informed that the equipment will be started. Use suitable warning equipment to warn them.
24. Do not permit untrained staff to use any equipment without the supervision of a trained operator.
25. Never leave the equipment without control and supervision.
26. During the start and operation, pay caution to incorrect measuring instruments, visible defects, smells or unfamiliar sounds that may signal an error. If any fault is suspected, stop the equipment immediately.
27. Carry out all inspection, maintenance, lubrication and adjustment with great care and according to the manufacturer's recommendations. The machine should always be stopped during maintenance work.

Safety with respect to fire and environmentally hazardous substances

28. Store flammable, combustible and dangerous substances in a safe place and dedicated containers. These should be clearly marked in conformance with relevant guidelines.
29. Do not allow smoking or open fires/flames in the proximity of fuel and oil tanks or other combustible substances.
30. Shut down all the engines when filling oil or fuel. Follow the guidelines and recommendations that are applicable for handling these substances.
31. Never start a diesel or petrol engine in a closed space if it is not properly ventilated. Hazardous gases can kill.
32. Do not use flammable and/or combustible substances such as petrol, paraffin or diesel to clean parts. Do not use non-flammable solvents that are intended for cleaning.

Safety for hydraulic systems

28. Do not perform any maintenance on the hydraulic system before making the system pressureless first.
 29. Do not perform any inner controls on the oil system before it has been made pressureless.
- Oil under pressure may be hazardous if the pressure is released incorrectly. Oil can get very hot under operation. Wait till the system has cooled down before the work can be performed.

30. Do not dismantle a hydraulic cylinder from its connections before the system is pressureless.
31. Do not take the pressure system in operation with worn-out or damaged hoses, valves and seals. Replace damaged components before the system is taken in operation again.
32. Do not dismantle hydraulic cylinders or other hydraulic equipment if you are not qualified to perform such works.
33. Never set pressure settings in the hydraulic system above the recommended values.
34. Follow the manufacturer's recommended control and maintenance instructions for pressure systems in order to ensure that conditions are in place during operation.

INTRODUCTION

DRUM TRAILER 4720

The cable drum trailer 4720 is a flexible and easy-to-drive single-axle carriage for transporting and handling cable drums in sizes K12 to K24. The carriage has a robust construction and is equipped with a number of practical solutions. The drum is easy and safe to load and unload via the tiltable boom which is operated hydraulically.

A drum drive is available as an accessory which is operated either by SAHLIN's petrol-powered 2040 and 2060 engine units or by the same hydraulic system as the drum lift. The drum drive is meant to be used when winding on to the drum and is adapted for sizes K12-K24.

Additionally, the drum shaft can be provided with a brake kit which provides a smooth and controlled extension of the cable.

The carriage is equipped with a braked and sprung axle, overrun brake and handbrake and comes equipped with a 50 mm or 60 mm tow connection.

The carriage is equipped as a standard with the required lighting and rear underrun protection. As an option, you can also order a vehicle inspection.

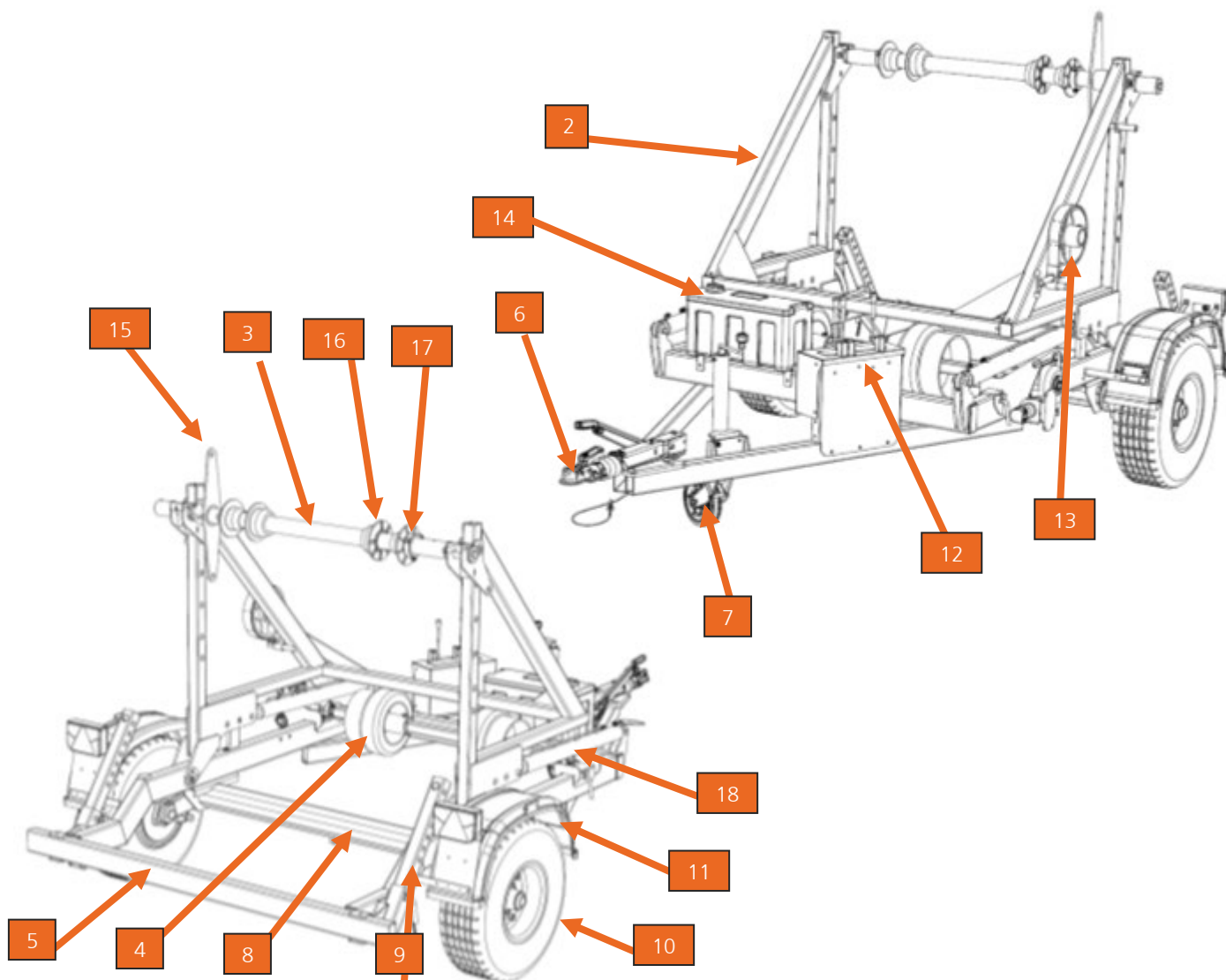
TECHNICAL DATA

Drum trailer 4720	
Model	4720
Gross weight	2,500 kg
Unloaded weight	558 kg
- Drum drive	75 kg
Max. reel weight	
- With drum drive	1,867 kg
- Without drum drive	1,942 kg
Maximum wheel axle load	2,500 kg
Dimensions L x W x H	3,860 x 2,280 x 1,910 mm

COMPONENT PARTS

#	NAME
1	Frame
2	Boom
3	Drum shaft
4	Drum drive
5	Underrun protection
6	Overrun brake
7	Support wheels
8	Wheel axle
9	Support stand

#	NAME
10	Wheels
11	Mudguard
12	Control panel
13	Drum brake/belt
14	Storage box
15	Drum blade
16	Alu drum cone
17	Collar
18	Hydraulic cylinder



OPERATION

Before starting

WARNING!

Check that all equipment to be used has not been deformed or damaged in any way.

Ball coupling/overrun brake/wheel axle type AL-KO

Connection

- Adjust using the support wheel so that the ball coupling is positioned at a suitable height above the vehicle's towing ball.
- Reverse the towing vehicle toward the trailer or pull the trailer toward the towing ball.
- Unlock the coupling head, pull the handle sharply upwards and loosen the safety catch, if necessary.
- Place the coupling ball on the towing ball and release the handle.
- The handle should now return to its default position, check that the red/green button on the ball cover protrudes, confirming that the ball is in the correct position.
- Attach the safety cable and lighting switch to the towing vehicle.

Disconnecting

- Unscrew the support wheel, disconnect the safety cable and lighting switch.
- Pull the ball coupling handle sharply upwards and loosen the safety catch, if needed.
- Lift the ball coupling away from the tow ball.

Attaching the safety cable

To ensure that the trailer brakes work if it detaches from the towing vehicle, the safety cable must be attached to the towing device on the towing vehicle.

Parking brake

Pull the lever past the deadlock position. (The gas spring automatically retightens if the trailer rolls backwards.)

Support wheels

Crank up the support wheel as much as possible and tighten it.

Ball pressure

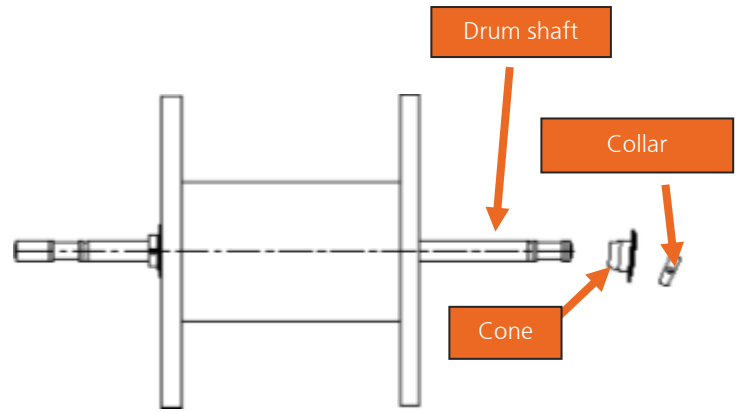
Always check the ball pressure before driving.

WARNING!

Under no circumstances is the static load on the ball coupling allowed to be negative or exceed 120 kg. Incorrect ball pressure leads to impaired poor driveability and brakes.

MOUNTING THE DRUM

- Pass the drum shaft through the drum. Insert the spacer cones and place the collars on the outside of each side of the cones. Lock the collars.

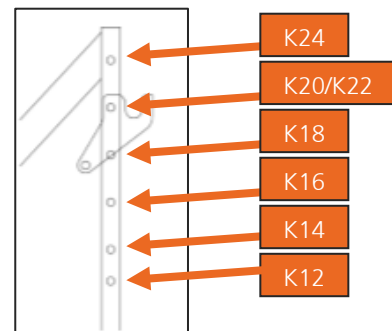
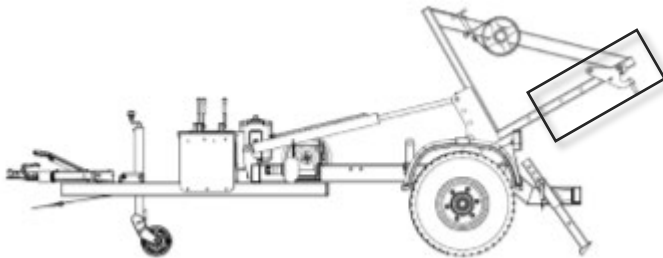
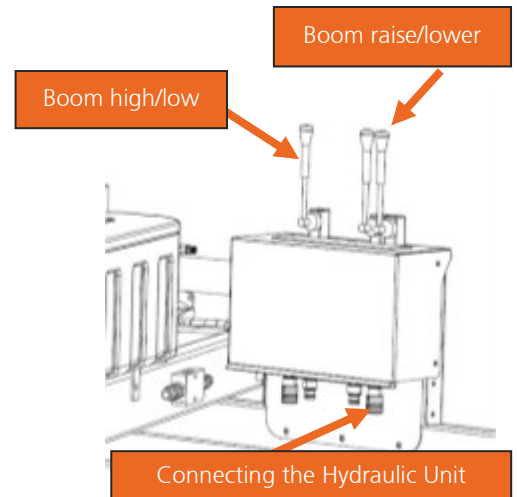


- Position the carriage appropriately and position the rear support stands and remove the underrun protection.

- Connect the Sahlin hydraulic unit 1011 via the quick release couplings and start it up. (See separate user instructions 9972-101100)

- Lower the boom to an appropriate height to roll in the drum.

- Position the drum mounts according to the size of the drum to be loaded.

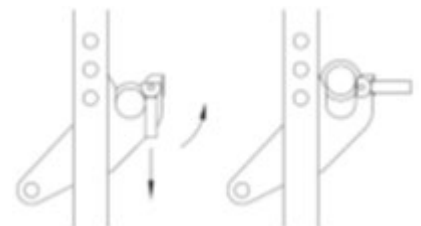


- Open the drum shaft retaining ring by pulling the handle downwards and then upwards.

- Roll the drum in and close the drum retainer.

- Raise the boom as far as it can go.

Select high/low lifting force with the controls depending on the drum weight.



DRUM BRAKE

A drum brake accessory is available to be used when rolling out from the drum.

The following components are included:

Drum brake, brake belt, drum blade and pins.

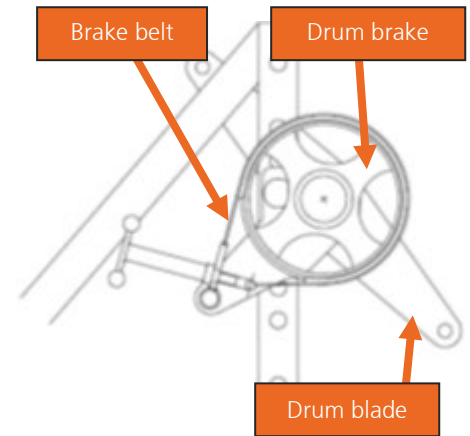
Mounting

- Mount the drum blade on the drum shaft with the included screw and nut.
- Mount the drum brake on the end of the drum shaft with the included pin.
- Load the drum into the carriage, then mount the brake belt on the drum brake and lock with the included pins.

CAUTION

To avoid damaging the equipment, the drum belt must be mounted as shown in the figure.

- The required braking torque is achieved by tightening the brake belt.
- Lubricate the drum shaft bearing continuously when using the brake.
- When the brake drum is not in use, it can be placed in the correct transport position on the boom.



DRUM DRIVE

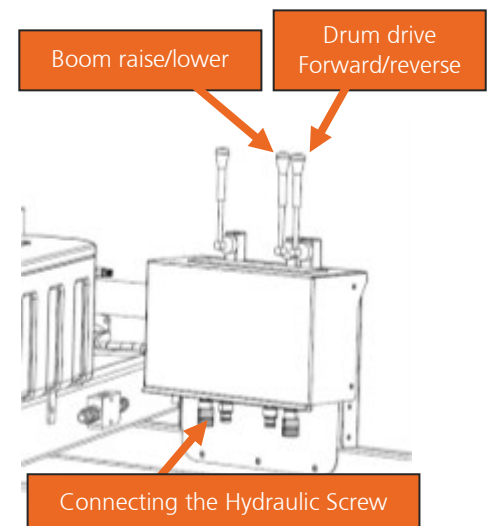
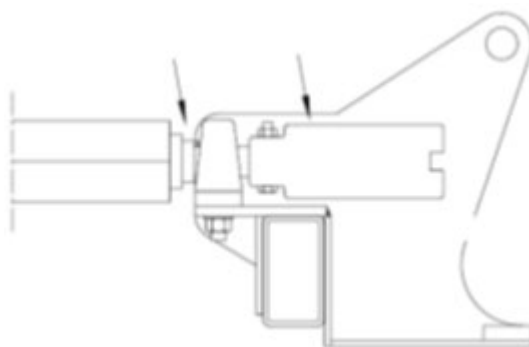
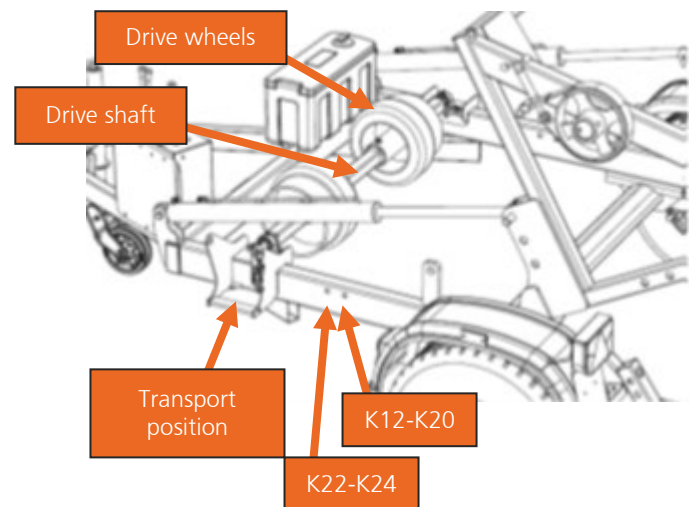
Additional Safety Notice – Risk Awareness

This product is CE marked and complies with applicable EU safety requirements. When operating with drum drive function, together with your selected Sahlins drive unit, extra caution must be exercised. Ensure that no loose clothing, straps, or other hanging items are worn, as these may become entangled in the drum drive shaft. Do not touch the shaft while the equipment is in operation. A site-specific risk assessment should always be carried out prior to use.

A drum drive is available as an accessory which is operated either by SAHLIN's petrol-powered 2040 and 2060 engine units or by the same hydraulic system as the drum lift. The drum drive is meant to be used when winding on to the drum and is adapted for sizes K12-K24.

Mounting the drum drive

- Lower the boom somewhat
- Lift up the engine bearer on the lefthand side
- Place the drive shaft in the housing
- Mount the drive wheels.
- Attach the shaft mount to the drive shaft and mount on the right frame stand.
- Insert the drive into the opening that corresponds to the drum size or transport position.
- Install the adapter intended for each engine unit respectively, place the drive unit in the engine bearer and lock the drive shaft with the screws on the drive housing.
- If the drive is operated via the cable carriage's hydraulic system, the hydraulic hoses are connected to the control panel



Operating the drum drive

- When the drive is in place, test run first without the drum, make sure everything runs smoothly and safely.
- Load the drum and adjust the drive wheels toward the center of the drum ends. Usually, the rubber wheels can be used, but if you want a better grip, the metal-coated wheels should be used.
- Use the "raise / lower" lever to press the drum against the drive wheels
- Forward/reverse drum drive is controlled via the lever on the control panel (see figure above)

WARNING!

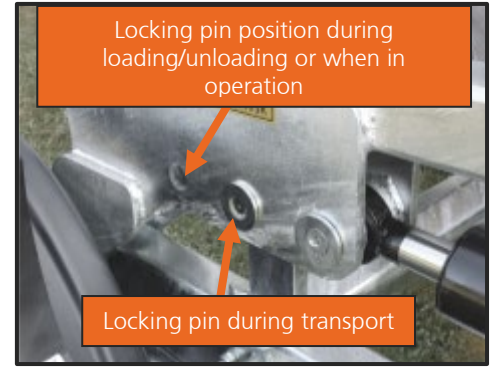
When in operation, the "Boom High/Low" lever must be set at low. Excessive pressure can damage the equipment or the drum, and result in personal injury.

- Lubricate the drum shaft bearing continuously during operation.



TRANSPORT

The trailer may be used on public roads for vehicles that are, at minimum, approved for trailer weights of 2,500kg. The drive can be mounted during transport but the engine should always be removed. Check that all lights work and that the trailer is correctly anchored to the vehicle, according to previous instructions.



WARNING!

Make sure that the boom locking pin is always mounted during transport

PARKING

When parking the carriage, use the handbrake according to previous instructions and place the stop pads against a wheel.

STORAGE

When parking for extended periods of time, the parking place should be kept clean and dry.

MAINTENANCE

Engine

See separate user instructions for engine maintenance.

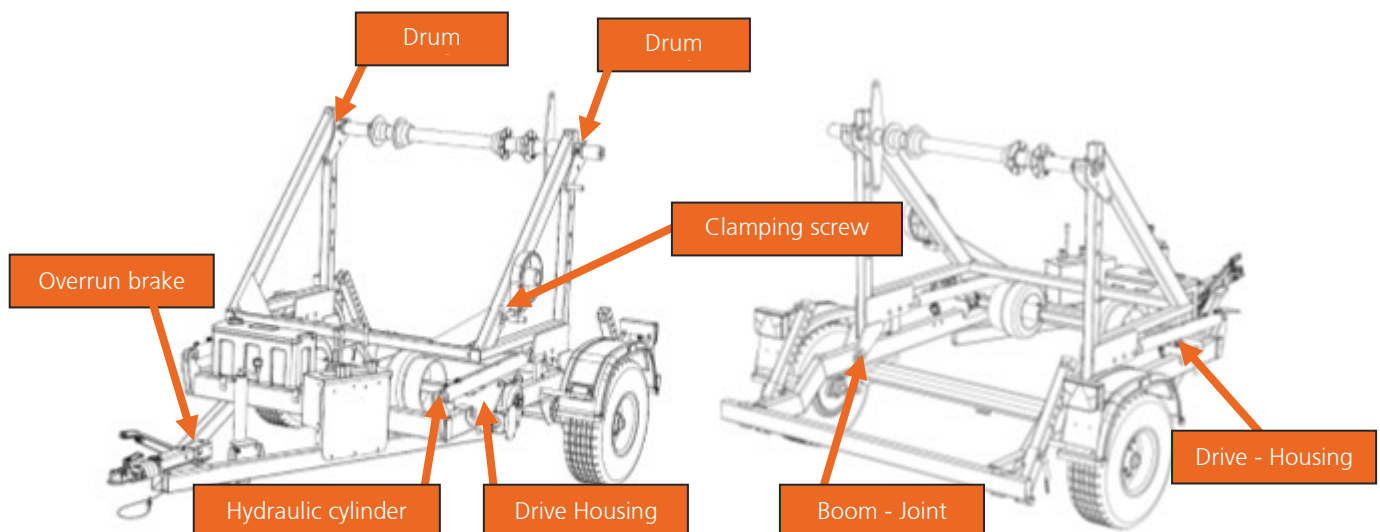
Service schedule

I=Inspect

L=Lubrication

Interval	Each time	Once a month or 20 hours	Every third month or 50 hours	Every sixth month or 150 hours	Every year or 300 hours
Operational	☐ -	☒ Lubrication	☐ -	☐ -	☐ -
Brake	☐ -	☐ -	☒ Lubrication	☐ -	☐ -
Boom - Joint	☐ -	☒ Lubrication	☐ -	☐ -	☐ -
Ball coupling	☒ Inspect	☐ -	☐ -	☐ -	☐ -
Overrun brake	☐ -	☐ -	☐ -	☒ Inspect	☐ -
Wheel axle	☐ -	☐ -	☐ -	☒ Inspect	☐ -
Lighting	☒ Inspect	☐ -	☐ -	☐ -	☐ -
Boom lock	☒ Inspect	☐ -	☐ -	☐ -	☐ -
Drum shaft lock	☒ Inspect	☐ -	☐ -	☐ -	☐ -

Lubrication points



Ball coupling/overrun brake/wheel axle type AL-KO

After 2,000km or 6 months

- Clean the ball coupling well and lubricate the ball socket, joints and bearings with grease and oil.
- Check the wheel bearing by first palletizing the carriage or erecting the support stands so that the wheels are freed from the ground and then loosen the brake lever. The wheels should now rotate easily and there should be no resistance on the axle.

Every 5,000km or 12 months

- Wear on the wheel brake pads should be compensated by adjusting the brake shoes.

WARNING!

The brake lever or fork should never be adjusted.

Every 10,000 -15,000km or 12 months:

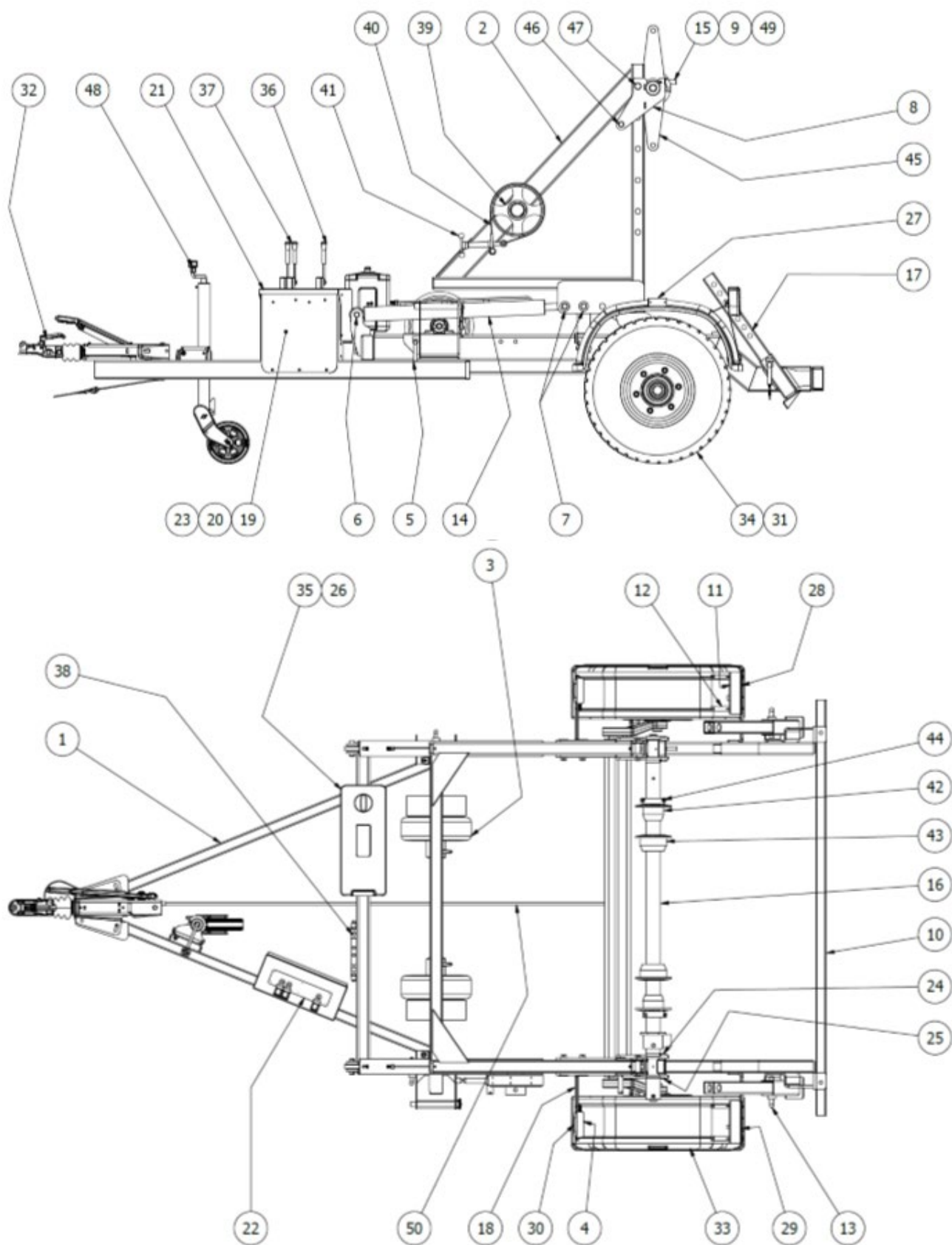
- Lubrication of the wheel bearings and adjustment of the bearings' axial play.
- Check wear on the brake pads via the inspection opening, if necessary replace with new brake pads and the brake shoes' worn-out return springs.
- Adjusting the brake device.
- Lubricate and oil the sliding shaft and connecting surface on the overrun brake.

Causes of hot running wheel brake system:

- Wheel brakes incorrectly set or set too stiff.
- Brake cable is broken, the cable does not return to zero position.
- Return springs are slack or broken.
- Rust in the brake drum after prolonged standstill.
- Parking brake lever not fully released.
- Brake lever does not fully release.

Contact Sahlins workshops if the user is not qualified to perform the work and does not have the special tools that are required.

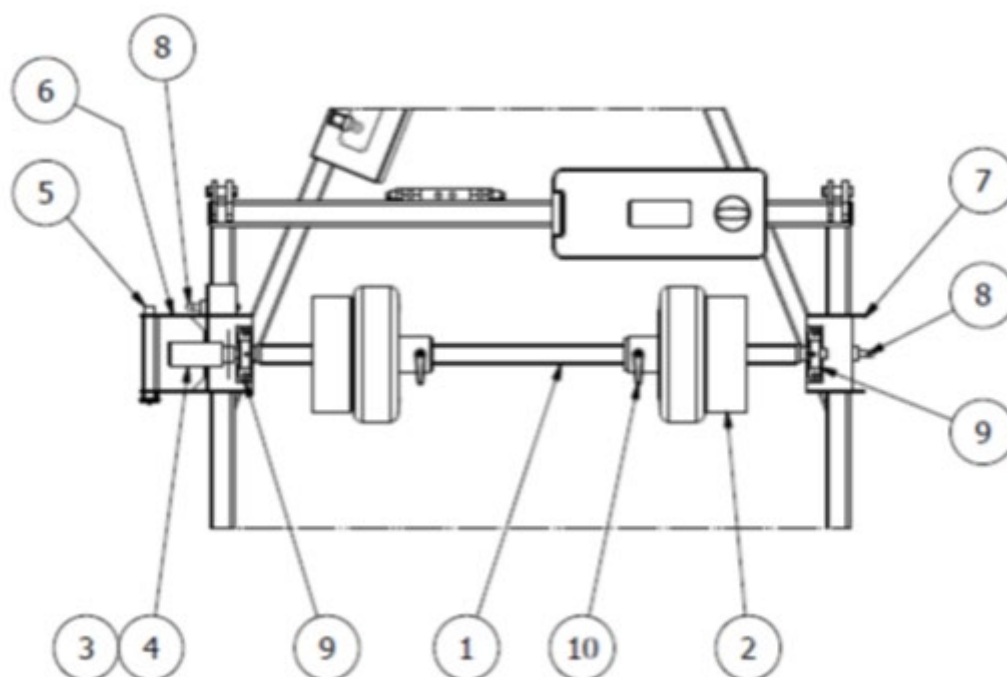
SPARE PARTS



Ref. No.	Qty.	Part No.	Part name
1	1	4720-5015	Frame
2	1	4720-5015	Boom
3	1		DRIVE - CABLE CARRIAGE
4	2	4701-5021	PLACEMENT MOUNT
5	2	4701-5024	PIN
6	2	2240-5021	PIN
7	2	4720-5038	PIN
8	2	4701-5004	DRUM SHAFT MOUNT
9	2	4701-5005	LOCKING PISTON
10	1	4701-5038	UNDERRUN PIPE
11	2	4701-5036	LIGHTING FIXTURE
12	4	4701-5037	STAYS - LIGHTING FIXTURE
13	2	4715-5014	PIN
14	2	9651-063/32/2	HYDRAULIC CYLINDER
15	2	4701-5007	HANDLE
16	1	4701-5003	DRUM SHAFT
17	2	4720-5036	SUPPORT STANDS
18	4	4720-5037	GUARD FIXTURE
19	1	4720-5039	CONTROL FIXTURE
20	1	4720-5040	SUPPORT
21	1	4720-5041	COVER
22	1	4720-5042	COVER PLATE
23	1	4720-5043	FIXTURE
24	2	4720-5044	SHAFT
25	2	9449-037	SPACER
26	4	4720-5045	FIXTURE - STORAGE BOX
27	2	9584-006	REFLECTOR
28	1	9710-020	REAR LIGHT - RIGHT
29	1	9710-021	REAR LIGHT - LEFT
30	2	9710-025	POSITION LAMP
31	1	9580-017	WHEEL AXLE 2,500 KG
32	1	9582-018	OVERRUN BRAKE 251SV
33	2	9585-007	MUDGUARD PLASTIC
34	2	9581-019	WHEELS
35	1	9877-005	STORAGE BOX
36	1	9661-028	DIRECTIONAL VALVE
37	1	9661-026	DIRECTIONAL VALVE
38	1	9663-039	OVERCENTER VALVE
39	1	6400-5412	BRAKE DRUM
40	1	9812-001	BRAKE BELT
41	1	9802-2470	CLAMPING NUT
42	2	9805-1465	CONE ALUMINIUM (Ø70/105)
43	2	9805-014	CONE ALUMINIUM (Ø70/130)
44	2	9805-202	COLLAR
45	1	6400-5411	BLADE
46	1	4701-5031	PIN
47	2	4701-5016	PIN
48	1	9583-010	SUPPORT WHEELS
49	2	9481-018	PRESSURE SPRINGS
50	1	4720-5047	BRAKE LEVER

SPARE PARTS DRUM DRIVE

Ref. No.	Qty.	Part No.	Part name
1	1	4701-5025	DRIVE SHAFT
2	2	4701-5026	DRIVE WHEELS
3	1	4701-5029	ADAPTER 2042
4	1	4701-5030	ADAPTER 2060
5	1	4720-5026	LOCKING PIPE
6	1	4720-5035	ENGINE BEARER
7	1	4720-5034	DRIVE SHAFT MOUNT
8	2	4701-5024	PIN
9	2	9231-205	HOUSING BRACKET
10	2	9519-018	LOCK LEVER
11	1	9812-012	SHAFT SLEEVE (2042)
12	1	9361-12065	SCREW
13	1	9422-12	LOCKNUT
14	1	9361-10055	SCREW
15	1	9422-10	LOCKNUT





(SV) EG-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE
(EN) EC DECLARATION OF CONFORMITY
(FR) EC DÉCLARATION DE CONFORMITÉ
(DE) EG-KONFORMITÄTSERKLÄRUNG

(SV) Vi försäkrar, i egenskap av tillverkare, att nedanstående produkt uppfyller alla tillämpliga bestämmelser i 2006/42/EG.

(EN) We declare, as a manufacturer, that the following product meets all applicable provisions of 2006/42 / EC

(FR) En tant que fabricant, nous déclarons que les produits suivants sont conformes à toutes les dispositions applicables de

(DE) Wir versichern in unserer Eigenschaft als Hersteller, dass das folgende Produkt alle anwendbaren Bestimmungen in 2006/42/EG erfüllt

(SV) Artikelnummer / (EN) Article number / (FR) Numéro d'article / (DE) Produkt Anzahl	
4720-0004	
(SV) Benämning / (EN) Product name / (FR) Désignation / (DE) Bezeichnung	
TRUMVAGN 4720 POWER PACK / DRUM TRAILER 4720 POWER PACK CHARIOT À CÂBLES 4720 POWER PACK / TROMMELANHÄNGER 4720 POWER PACK	
(SV) Tillämpade harmoniserande standarder / (EN) Applied harmonised standards (FR) Normes harmonisées appliquées / (DE) Angewandte harmonisierte Normen	
(SV) Andra tillämpade standarder och specifikationer / (EN) Other applied standards and specifications (FR) Autres normes et spécifications appliquées / (DE) Andere angewandte Normen und Spezifikationen	
(SV) Behörig att sammanställa teknisk dokumentation / (EN) Authorised to compile technical documentation (FR) Autorisé à compiler la documentation technique / (DE) Befugt zur Zusammenstellung technischer Dokumentation	
Namn Name Nom Namen	Adress Address Adresse Adress
Undertecknad / Signed below Signé ci-dessous / Unterschrift	Enligt nedan / As below Comme indiqué ci-dessous / Wie unten
Ort / City/Town / Ville / Ort	Datum / Date / Date / Datum
Holsljunga, Sweden	2020-11-05
Namn / Name / Nom / Name	Namnförtydligande / Name in block letters Nom en caractères d'imprimerie / Name in Druckschrift
	STEFAN SVENSSON
Position / Role / Fonction / Position VD / CEO / PDG / Geschäftsführer	

NOTES

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