Instruction Manual

VIMEK 404 T3

Revision A

Head Office
Lidvägen 11
SE-922 31 Vindeln
Sweden
Tel: +46(0)933-135 15
Fax: +46(0)933-710 56
www.vimek.se

Sales Office
Kyrkvägen 5
SE-841 31 Ånge
Sweden
Tel: +46(0)690-619 75
Fax: +46(0)690-129 75
E-mail: sales@vimek.se

Thank you for purchasing your model of
VIMEK 404T3

VIMEK 404 is constructed and produced from our many years' experience in forestry.
We are convinced that this is a good investment for you and that you will really enjoy this product from VIMEK!

This instruction manual is for the **VIMEK 404T3.**
In addition to this instruction manual, you will also be supplied with other instruction manuals and spare parts books for the equipment you have opted to add to your machine.

The instruction manuals contain the information you should know in order to handle and care for your VIMEK 404 T3 in the best possible way. Pay close attention to the content and the advice given before operating your machinery. This will provide the optimum conditions for long, trouble-free value-for-money operation.

When ordering spare parts, the spare part number and machine number should also be given in order to ensure receipt of the right spare part.

VIMEK conducts continuous product development and reserves the right to freely change the content of its publications, instructions and information without prior notice.

Particularly important information is marked with the following symbols:

 **Only trained and authorised personnel may use the machine.**

 **Risk of personal injury or damage to property**

Immediately stop any work

 **Important information**

Applications
The machine is, in this application, designed for clearing timber and brushwood as well as ditch cleaning with the grab bucket.
The machine must be used and cared for in accordance with the instructions.
It is of particular importance that the stated safety regulations are followed.

Contents

1 Introduction 4
1.1 VIMEK 404 T3 4

2 Safety 5
2.1 General 5
2.2 Safety Regulations 5
2.3 Fire Safety 6
2.4 Personal Safety 6
2.5 Safety switch 7

3 Identification 8

4 Technical Data 9
4.1 Oil qualities 9

5 Technical Description 10
5.1 Machine 10
5.2 Crane 11
5.3 Harvesting unit 11
5.4 Engine 12
5.5 Transmission 13
5.6 Braking 14
5.7 Back-up/parking brake 14
5.8 Centre stabilisation 15
5.9 Heating/AC system 15
5.10 Machine Controls 16
5.11 Machine Controls EL 17
5.12 Printer/converter/computer modules . 18
5.13 Power socket, external, 12V 18
5.14 Machine controls, crane and base machine 19
5.15 Machine controls, harvesting unit 20
5.16 Fuses, cab 21
5.17 Fuses, elec. box 22
5.18 Hydraulics 23
5.1 Hydraulic system cleanliness 24
5.2 Filling with hydraulic oil 24
5.3 In cold climates 24
5.4 Starting the Engine 25
5.5 Backward rotation 25
5.6 Stopping the Engine 26
5.7 Driving 26
5.8 Gas controls 27
5.9 Steering 27
5.10 Gears 27
5.11 Parking 27
5.12 4-wheel drive 28
5.13 Limited Slip Differential 28
5.14 Cab Heating 29
5.15 AC (Extra option) 29
5.16 Diesel heater (Extra option) 29
5.17 Diesel heater 29
5.18 Off-Road Driving 29
5.19 Crane Operation 29

6 Transporting the Machine 30
6.1 Attachment points for towing 30

7 Long-Term Storage 30

8 Hydraulic Schematic 31

9 Electricity circuit diagram 32

10 Spare parts 40

11 Warranty 41

1 Introduction

1.1 VIMEK 404 T3

VIMEK 404 T3 is a 4-wheel drive forwarder with optimal properties for thinning work.
The machine is equipped with an effective harvester unit.
Thinning can be done with a minimum of road area thanks to both its centre and wheel control as well as a width of only 1.8 m.

The machine is equipped with a tested cab.

Carelessness or incorrect use of the machine may result in serious personal injury or damage to property.

Read and learn the safety regulations before you begin driving the machine!

2 Safety

2.1 General

The rules below do not exempt the driver from complying with legislation or other applicable national regulations pertaining to safety in the workplace.
Incorrect use, poor maintenance or carelessness may cause injury or damage to equipment and the environment.
Therefore, it is important to study, understand and follow the instructions set out in the operator's manual.
The person responsible for installing, servicing or doing anything else with the machine must have received the necessary training and be competent to perform their task.

2.2 Safety Regulations


The operator must undergo training under the supervision of a qualified tutor.


Do not walk under a lifted load


Damaged or worn parts must immediately be changed


The danger area around the machine extends for 75 metres


The crane is not suitable for lifting people.


Ensure that the engine cannot be started unintentionally.


During driving, the driver must look out for abnormal noise and leaks.


Errors that are discovered which could lead to personal injury or damage to property must be resolved before further driving.


The braking function is reduced when the gearbox is in neutral and when the 4-wheel drive is disconnected.


The centre lock is deactivated when the machine's accelerator is pressed. There is a risk of rolling over.


Running the engine must be done in well-ventilated areas. There is a risk of poisoning.


Do not mix the fuel with any other substance - risk of explosion.


Turn off the engine before servicing, maintenance or inspection.


Always disconnect the supply voltage to the machine before starting any maintenance or service work.


Never open the cooler lid when the engine is running or has recently been stopped. Pressurised hot water in the cooling system.


When operating the machine in forests, all work must be carried out so that the machine, driver or the surroundings are not put in any danger. Extra attention should be paid if there is anybody in the vicinity of the machine.


Hoses and pipe components can still be pressurised even though the machine is switched off.


When operating near power lines, crane work must be done with caution, and the crane should not be any closer than 6 metres from the lines.


Note that the discharge of liquid from the machine can cause a risk of slipping, fire and other risks. Clean up any leaks.


Always clean the work area before and after servicing the hydraulic components.


Ensure that the seat cannot interfere with machine operation when the seat is rotated.

2.3 Fire Safety

The machine can be additionally equipped with a sprinkler system. Read the accompanying instructions. Be cautious when washing, start-up help and other procedures which may damage the system.

At delivery, the machine is supplied with 2 fire extinguishers - one on the outside and one inside the cab.

The machine owner is responsible for ensuring that the applicable regulations in respect of fire protection are followed. Contact your insurance company

Be extra observant for fire if the machine is equipped with chains or caterpillars. Risk of formation of sparks on stony surfaces.

2.4 Personal Safety

Use ear defenders.

Use suitable protective equipment when servicing.

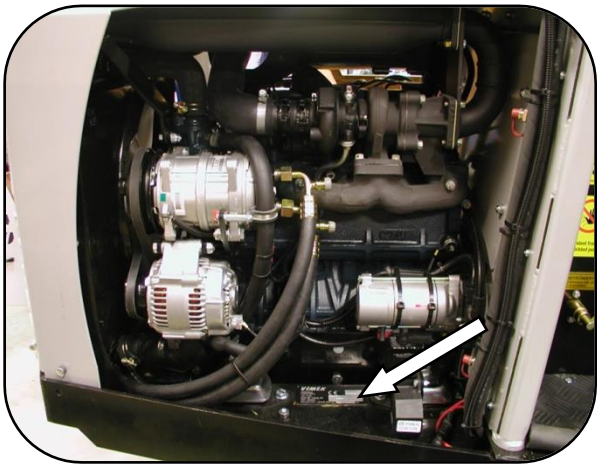
2.5 Safety switch

The machine has a safety switch which recognises when the seat is locked in position to the crane. If the seat lock is not in position, the joystick and the harvester unit will stop working. You must therefore ensure that the seat lock is engaged.

3 Identification

The identification plate has information on the machine type, production number, production year, manufacturer, CE mark, etc.
This information is important to know when ordering spare parts or in any other contact with the manufacturer where machine identity is significant.

Location and appearance as below.



4 Technical Data

Engine

Make/Model	Kubota Turbodiesel V2403-M-T
Number of cylinders	4
Max. power/RPM	44 kw/2700rpm
Engine capacity	2434cc

Transmission/steering

Gearbox	Turning box, speed register 0-15 km/h
Drive, gearbox	Hydraulic motor
Transmission	Mechanical
Steering	Hydraulic articulated steering and axle steering

Hydraulic system

Pressure	220 bar
Flow	Load sensing max 120l/min

Volumes

Oil volume, gearbox	18 l
Oil volume, engine	4.2 l at filter change
Fuel volume	52 l
Hydraulic oil volume	52 l

Dimensions

Tyres	405/70-24 (14 ply)
Length	3,350 mm
Width, max.	1,800 mm (external measurements, drive wheel)
Cab roof height, inc. sprinkler	2.8m
Ground clearance	400 mm
Weight	Weight inc. unit, 4.1 tonnes

Electrical system

Voltage	12V and 24V
Battery	12V-95Ah
Generator	12V 90amp

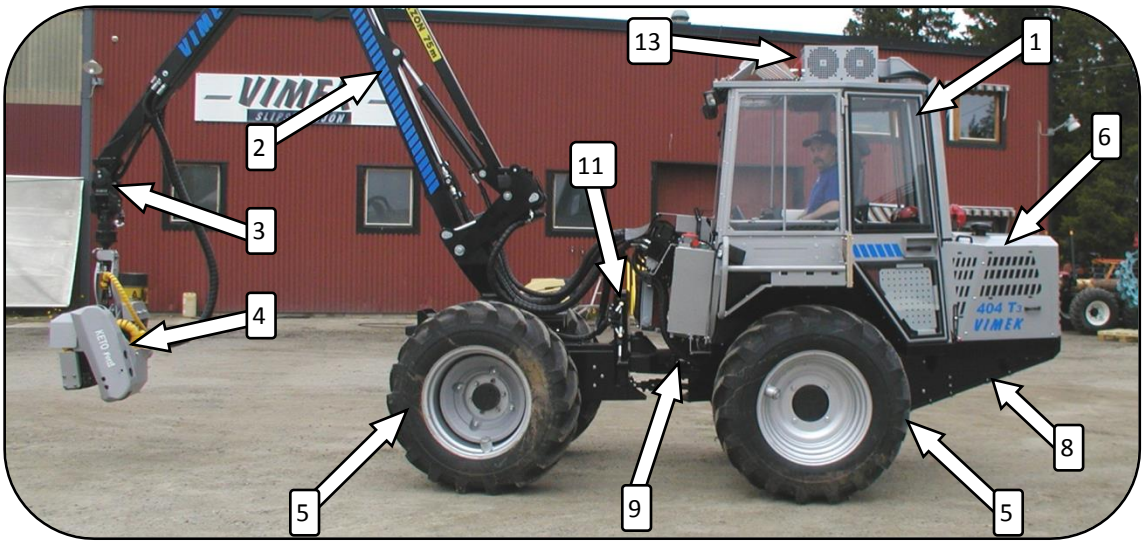
4.1 Oil qualities

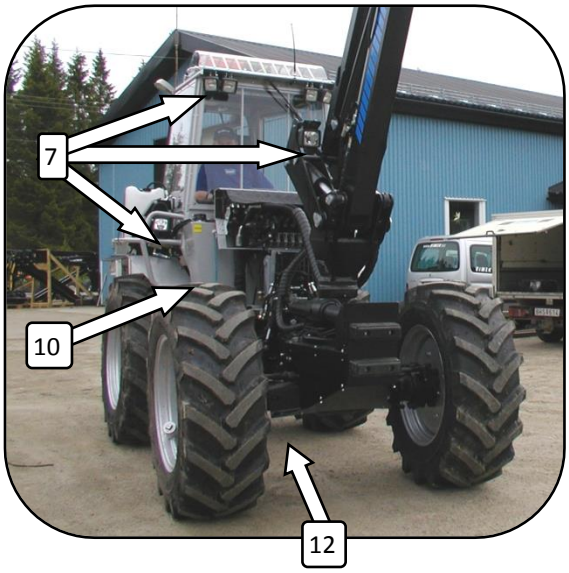
Engine	CF CF-4 CG-4 CH-4 CI-4
Gearbox	GL4, GL5, additive required for wet brakes
Steering axle	GL4, GL5

5 Technical Description

5.1 Machine

The machine comprises a centrally steered tractor chassis, a crane and a cutting head.





1. Driver's cab
2. Crane
3. Rotator/link
4. Harvesting unit/other tool
5. Tyres
6. Bonnet
7. Work lights
8. Belly guard
9. Centre link
10. Diesel tank
11. Centre stabilisation
12. Front axle
13. Condenser AC (extra equipment)

5.2 Crane

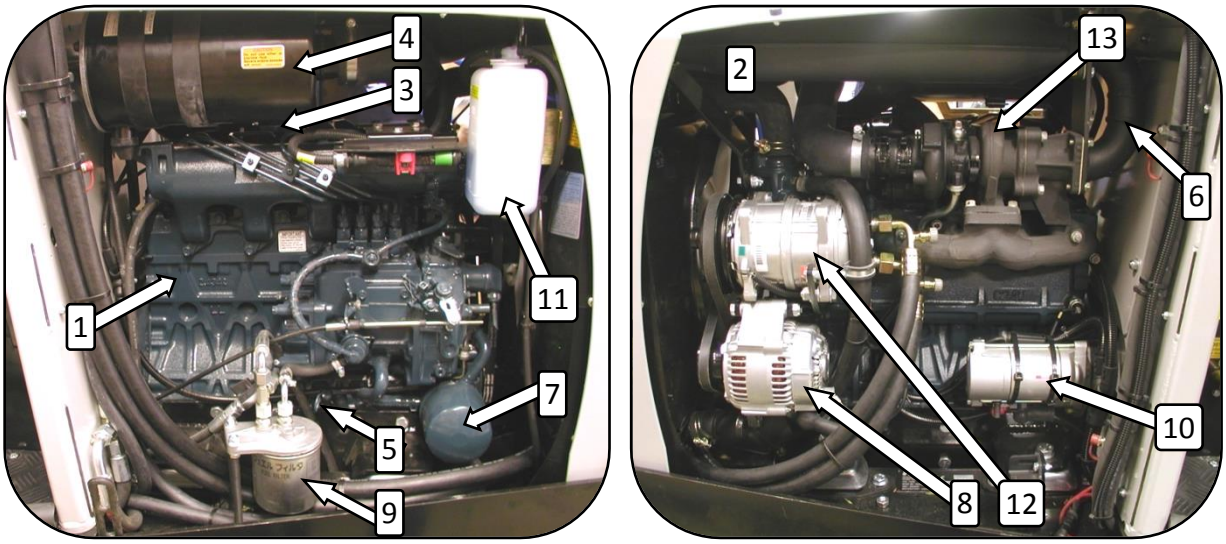
See the separate instruction manual for your specific crane model.
The crane identification plate is located as shown in the image below.

5.3 Harvesting unit

See separate instruction manual.

5.4 Engine

The engine is a KUBOTA brand 4 cylinder turbo diesel engine.
See the separate manual for a detailed description.



1. Engine
2. Cooler
3. Oil filler inlet
4. Air purifier
5. Dipstick
6. Exhaust pipe
7. Oil filter
8. Generator
9. Diesel filter
10. Starter motor
11. Expansion tank
12. AC compressor (option)
13. Turbo

5.5 Transmission

A hydraulic motor drives the gearbox
The power from the gearbox is transferred to the front axel via a universal shaft.
The gearbox has 4 positions and a speed lever with 4 positions.
These work both forwards and backwards.
The direction is determined by the accelerator.

The gearbox is equipped with a differential that can be locked as required.
It locks the cab section wheels and is only used if the wheels slip.
Note that locking the differential makes steering very difficult as doing so forces the machine to drive forwards in a straight line.

The machine has engageable/disengageable 4-wheel drive.
The four-wheel drive must always be engaged when working on rough terrain.

- When transporting on public roads, the four-wheel drive must be disengaged.
- When the four-wheel drive is disengaged, the machine only brakes on the cab section wheels.

5.6 Braking

The machine has a load holding function that brakes the transmission as necessary if the machine starts to go faster than the driver is requesting through the accelerator.

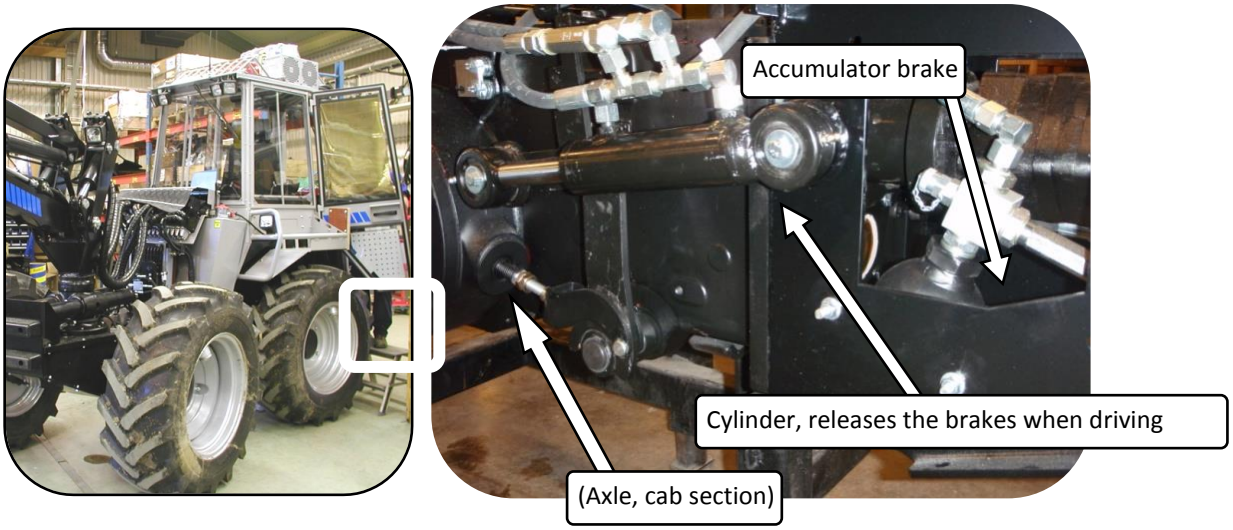
5.7 Back-up/parking brake

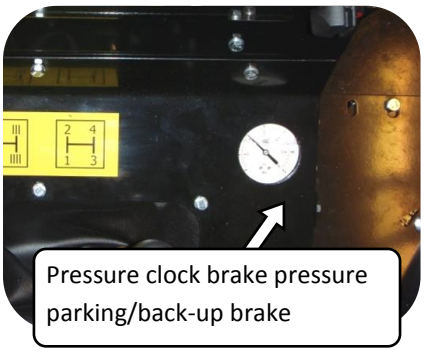
The machine is equipped with a back-up/parking brake that operates on the cab section wheels.

The brakes are automatically activated when:

- The machine is switched off
- Turned on and with the accelerator in neutral.

The brakes are automatically released when the accelerator is activated; even if the machine's gearbox is in neutral.





Check the pressure clock value when you change gear.

Contact service personnel if the accumulator pressure sinks.

When any of the gear pedals is in neutral, the hydraulic motor will not brake the machine.

Avoid changing gear if the machine is on a slope. If you are forced to change gear whilst on an incline, use the crane and steering controls as extra brakes.

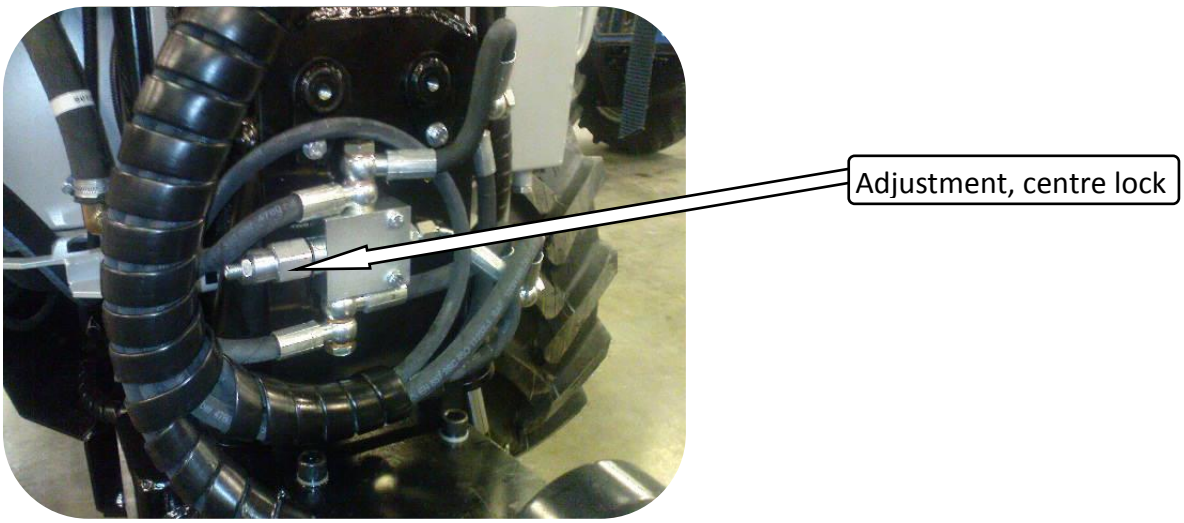
5.8 Centre stabilisation

The stabilisation cylinders' function is to counteract tipping of the machine.

The centre is locked when:

- The machine is switched off
- The machine is in operation with the accelerator in neutral.

The stabilisation is released automatically when the accelerator is activated. The opening pressure on the stabilisation lock must be adjusted if it does not lock or does not lock correctly.



Extra pressure can be placed on each stabilisation cylinder by pressing on one of the stabilisation buttons with the joystick. See "machine control, crane and base machine"

5.9 Heating/AC system

Safety

Note that the coolant circuit is a closed pressurised system and installation and service may only be carried out by firms accredited by SWEDAC.

Operation of AC unit.

The climate control unit is located on the roof of the vehicle.

The compartment fan blows air through two holes in the roof and is controlled by a three-step control in the user's control panel. In order to obtain cool air, the power switch is turned on and the compressor

starts. Once the compressor is activated, the condenser unit on the roof also starts.

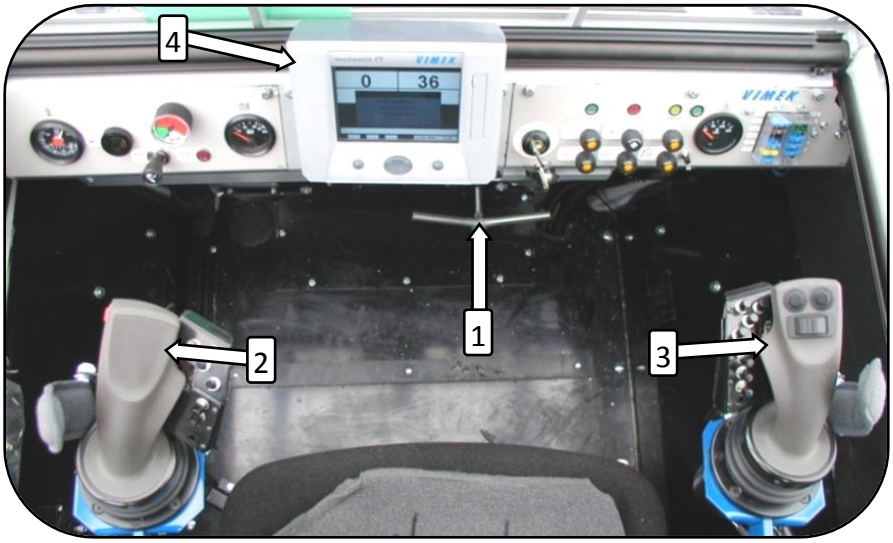
Adjusting the air temperature on incoming air, to the cab, is done by adjusting the amount of hot water to the climate control unit.

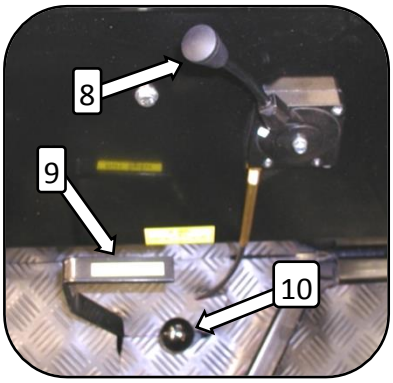
Operating the heating unit.

The climate control unit is located on the roof of the vehicle.

The compartment fan blows air through two holes in the roof and is controlled by a three-step control in the user's control panel. Adjusting the air temperature on incoming air, to the cab, is done by adjusting the amount of hot water to the climate control unit.

5.10 Machine Controls

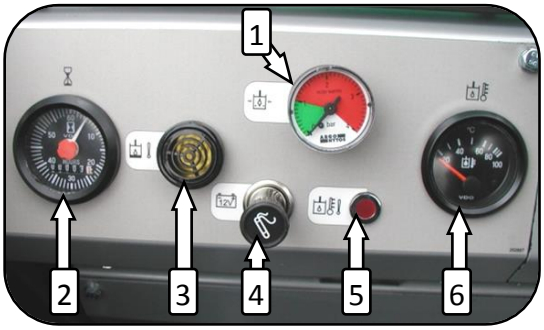


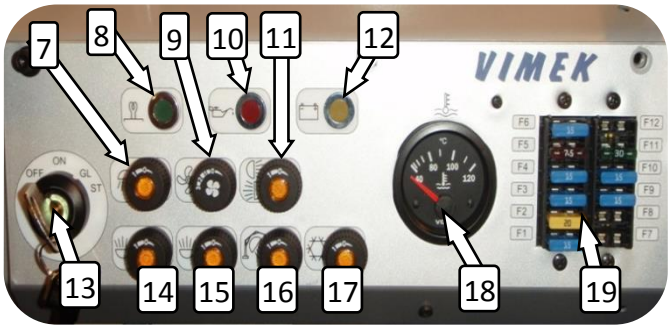


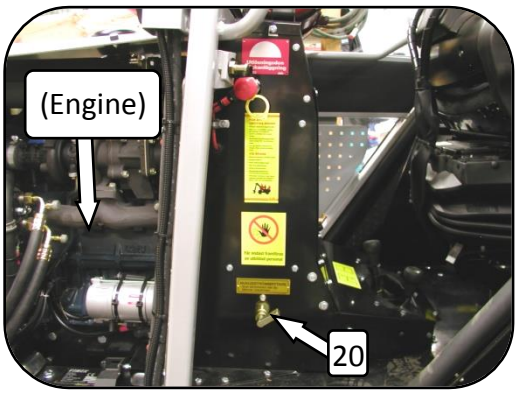
1. Accelerator, Forwards/Backwards
2. Left control lever
3. Right control lever
4. Computer, harvester unit
5. Heating controls
6. Shift box I - III
7. Gearbox 1-4
8. Pressure clock brakes
9. Control, engine RPM
10. Connecting/disconnecting diff. lock
11. Connecting/disconnecting 4-wheel drive

⚠ **Remember that the centre lock locks when the machine's accelerator is activated; therefore do not rest your foot on the accelerator when not in use.**

5.11 Machine Controls EL







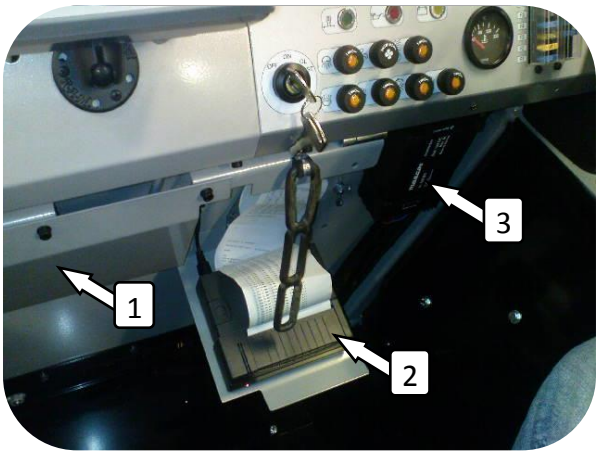
1. Pressure drop in return oil filter
2. Hour counter
3. Summer, low oil level, high temperature.
4. Socket, 12V
5. Warning, low oil level, high oil temperature.
6. Oil temp.
7. Work light, back
8. Heating, green
9. Fan speed
10. Warning light low oil pressure

   Turn off the engine immediately if this light comes on! Contact your nearest dealer!

11. Lighting, screen fitted
12. Charging, red
13. Ignition lock
14. Work light roof, inside
15. Work light roof, outside
16. Crane lighting
17. AC, ON/OFF
18. Engine temp.
19. Fuse holder
20. Main switch

5.12 Printer/converter/computer modules

If you have a printer installed in the machine, it is located in the cubbyhole under the instrument panel. The computer modules for the harvester unit are hidden under a protective plate. The converter for 12V to 24V for the harvester unit is located to the right of the printer



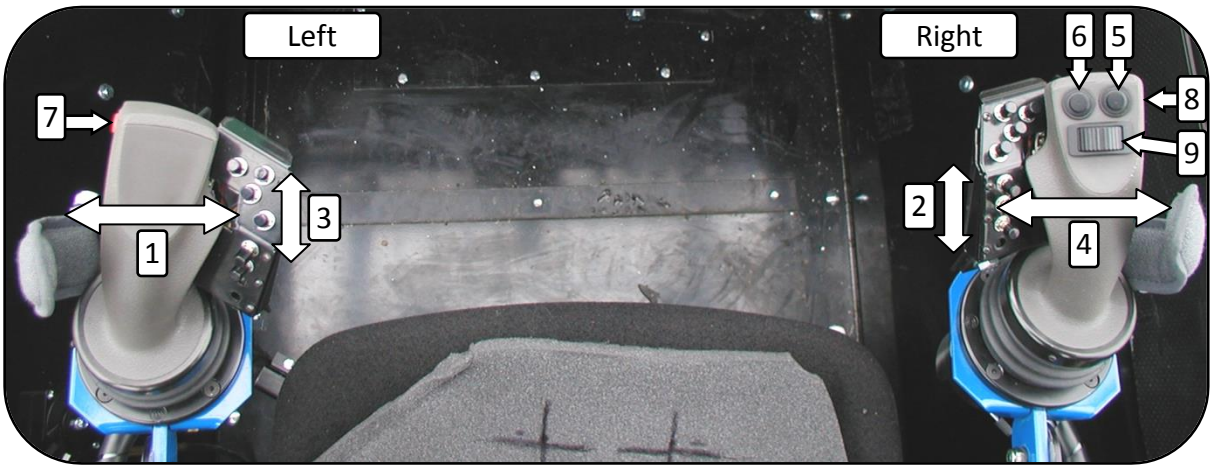
1. Cover plate for computer modules
2. Printer
3. Current converter

5.13 Power socket, external, 12V

Under the cover plate is a 12V power socket suitable for small electric pumps and similar items.

5.14 Machine controls, crane and base machine

The crane is operated with a 2 lever system.
Functions:



1. Crane rotation
2. Crane raise/lower
3. Tip lever, out/in
4. Rotator
5. Stabilisation, right
6. Stabilisation, left
7. Steering, front axle, left
8. Steering, front axle, right
9. Centre steering

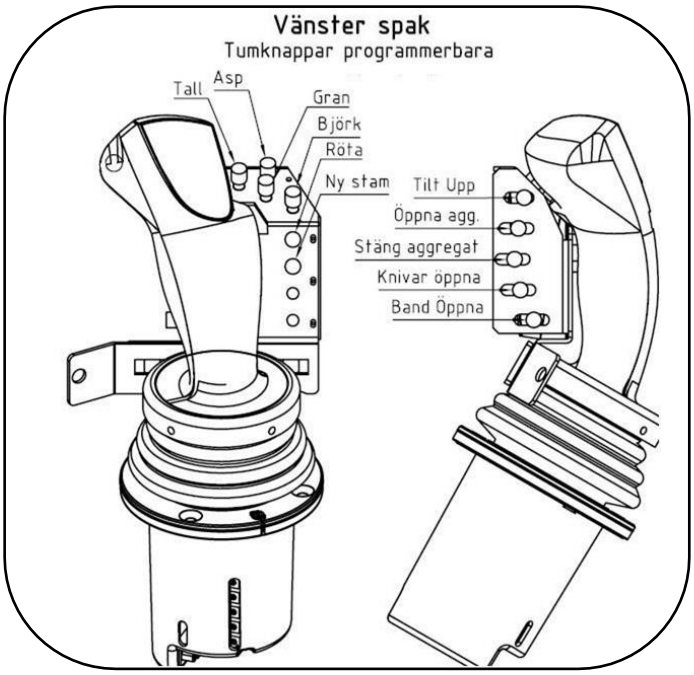
5.15 Machine controls, harvesting unit

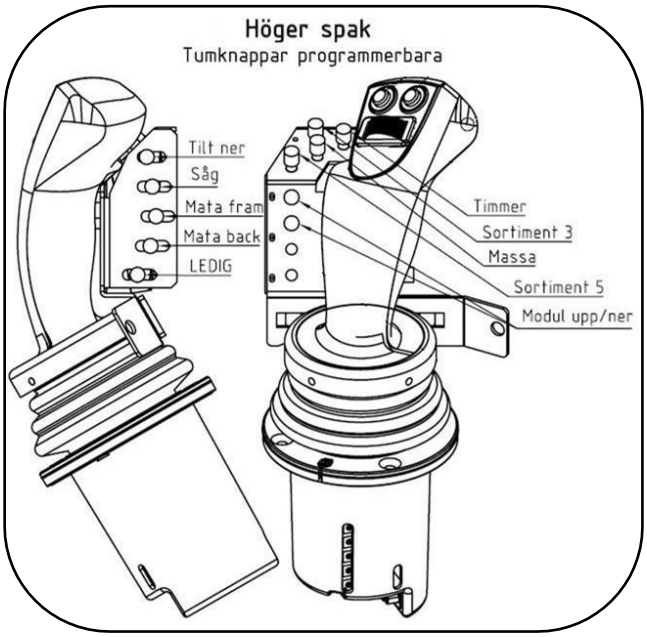
This function description shows how the button functions are designated when the machine is delivered.

The thumb buttons are programmable. The information below cannot therefore be guaranteed for all machines.

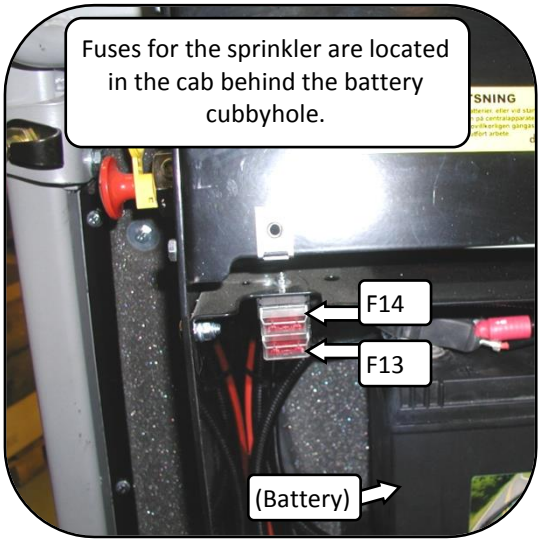
Check before driving, that the functions on the buttons correspond with the expected movements on the machine.

The lowest button on the right joystick, labelled 'free', is - from the 404T3 onwards - programmed with 'feed, back', despite the blade being in the extended position.



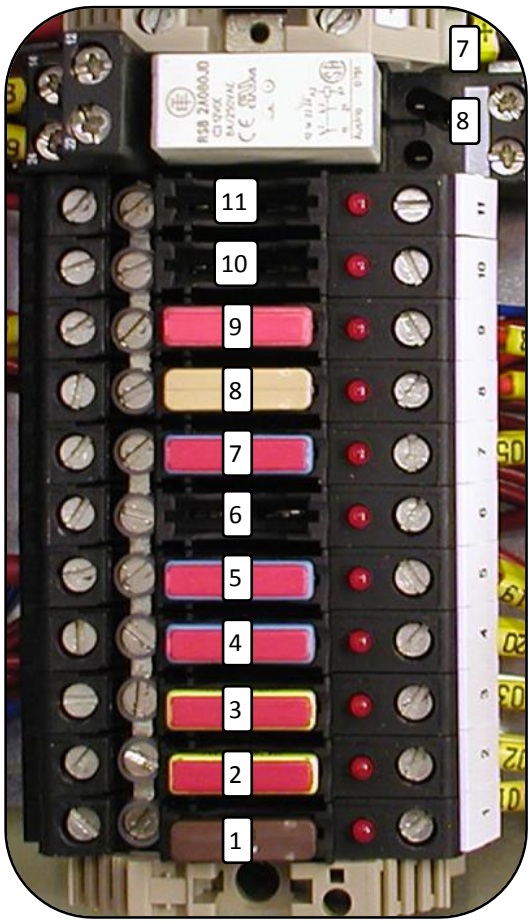


5.16 Fuses, cab



F1. Windscreen wiper/radio/inside light ..... 15 A
F2. Feeding lever ..... 20 A
F3. Work light back, inside ..... 20 A
F4. Signal/Cigarette lighter 20 A
F5. Work light, crane ..... 15 A
F6. High beam ..... 15 A
F7. Main light ..... 15 A
F8. Fan 15A
F9. Work light, front ..... 20 A
F10. Work light back, outside ..... 20 A
F11. Ignition ..... 30 A
F12. Charging ..... 15 A
F13. Sprinkler (Extra option) ..... 10 A
F14. Sprinkler (Extra option) ..... 10 A

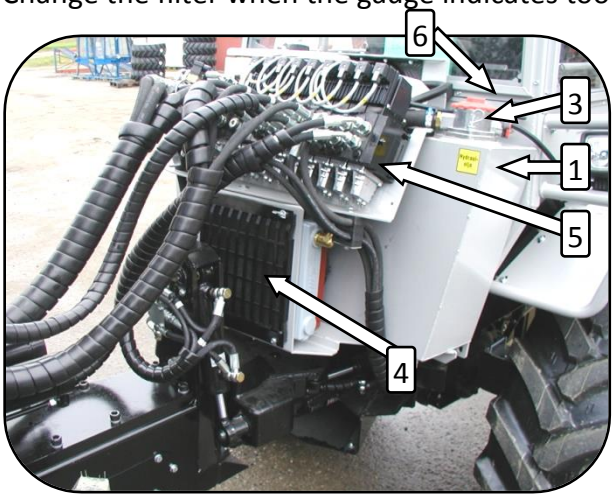
5.17 Fuses, elec. box

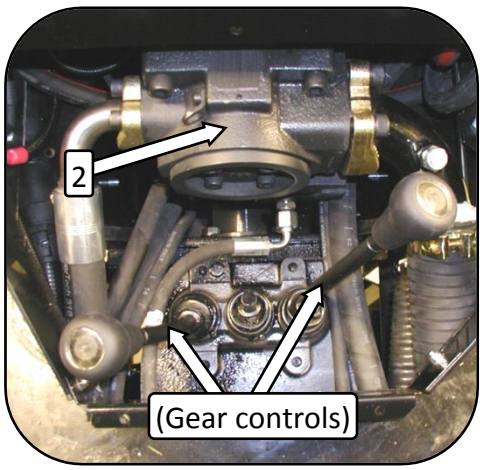


1. Hydraulic controls ..... 7.5 A
2. Crane lighting ..... 20 A
3. Work light, front ..... 20 A
4. Cooling fan, hydraulic oil ..... 15 A
5. Crop computer ..... 15 A
6. Spare .....
7. Power socket ..... 15 A
8. Transporting position stabilisation ..... 5 A
9. Cigarette lighter socket ..... 10 A
10. Spare .....
11. Spare .....

5.18 Hydraulics

Hydraulic system load-sensing.
The hydraulic pump sucks oil from the tank and forces the oil into the manoeuvring valve.
Before the return oil goes into the tank, it is cooled as required and cleaned through a return filter.
In the cab is a gauge that shows the degree of filter clogging.
Change the filter when the gauge indicates too high a return pressure. See the service manual





1. Hydraulic oil tank
2. Hydraulic pump
3. Return oil filter
4. Hydraulic oil cooler
5. Valve unit
6. Level sensor

- Hydraulic oils:

For optimum operation and lifespan of the hydraulic system, the hydraulic oil must be designed for outside use and must work within a wide temperature range.
The oil must contain additives to counteract foam, improve the film strength and reduce the viscosity's temperature dependence.
We recommend an environmentally-friendly oil.
The machine is supplied with AGROL MENDO BIO 46.

If the machine is filled with another oil, it should be from the list below.

Before using any oil other than AGROL MENDO BIO 46, you must also confirm with your supplier that the oils can be mixed.

Agro Oil	Agrol Mendo Bio 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Binol AB	Binol Hyd 46 E	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Binol AB	Binol Hyd 46	Vegetable/Synth. ester	Not generally compatible with other products on the TRB list. Contact your supplier.
BP	Biohyd SES 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Castrol	Hyspin Bio P	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.
Greenoils	Greenplus ES 46	Vegetable	Not generally compatible with other products on the TRB list. Contact your supplier.
Mobil	EAL Syndraulic 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Norsk Hydro	Hyndla Bio SE 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
OK-Q8 AB	Holbein Bio Plus	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.
Shell	Naturelle HF-E 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Statoil	Hydraway Bio SE 32-68	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Texaco	Hydra 46	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.
Volvo Parts	Biodegradeable	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.

5.1 Hydraulic system cleanliness

Hydraulic components are sensitive to contamination. Always take care to ensure that dirt or water does not get into the hydraulic system. Once a year (or every 500 operating hours), you should perform an oil analysis in conjunction with your oil supplier in order to ensure that the oil is in good condition.

5.2 Filling with hydraulic oil

When topping up oil levels, use a pump fitted with a filter. Fill the level to around 5 cm from the top of the tank.

5.3 In cold climates

In cold climates, always warm up the engine and the hydraulic system before beginning work with the machine.

Run the engine on low revs and do not overload it before it has reached operating temperature.

Run all hydraulic functions carefully until the hydraulic system has reached operating temperature.

5.4 Starting the Engine

A cold engine should be warmed before start-up.
Heating mode is marked by (GL).

External temperature	Heating time
Warmer than 10°C	Not necessary
+10°C to -5°C	approx. 5 seconds
Below -5°C	approx. 10 seconds
Maximum heating time	20 seconds

1. Check that the main power switch is on.
2. Put the forward/backward control in neutral.
3. Turn the key to the (ON) position.
4. Check that the lights come on and that the gauges are activated.
5. Turn the key to (GL) heat according to the table above.
6. Gently pump the accelerator, turn the key all the way to start, marked (ST).
7. Release the key immediately once the engine has started.

If the engine does not start within 10 seconds, wait 30 seconds before starting again from step 6.

After start-up

- Check the colour of the exhaust emissions. Abnormally dark emissions can indicate serious engine damage.
- Listen for abnormal engine noise.
- Always allow the engine to reach operating temperature before loading fully.

5.5 Backward rotation

Backward rotation may occur in instances where loading is fast and, in particular, where engine output at the set working speed is lower than the hydraulic power used. In such instances, the engine must be immediately shut off as its lubrication system is not working. You will hear a noise from the engine if this occurs:

- Because the intake and exhaust sides change direction, the engine noise will change and exhaust gases will come out through the air filter.
- A loud tapping noise will be heard from the engine.

5.6 Stopping the Engine

1. Let the engine idle for around 1 minute before turning off.
2. Turn the key to (OFF).

Stop the engine immediately if:

The oil pressure light comes on.

Speed suddenly increases or decreases.

There is unusual engine noise.

The colour of the exhaust emissions suddenly becomes dark.

The temperature of the cooling water suddenly increases.

5.7 Driving


Safety function: The driver's seat must be turned in the direction of driving and the seat lock must be in position, in order for the steering lever function to be activated.

1. Turn the seat to the driving position.
2. Use the safety belt if one is fitted.
3. Start the engine and let it idle.
4. Check the function of the manoeuvring valve.
5. Run the functions gently to warm up the hydraulic oil.
6. Check that all functions work satisfactorily.
7. Check that the hydraulic hoses between the base machine and the crane can move freely.
8. Gently press the accelerator.
9. Check the function of the brake.
10. Check the engine temperature and oil pressure during operation.
11. Check the amount of fuel before driving. Never let the fuel tank get entirely empty.

5.8 Gas controls

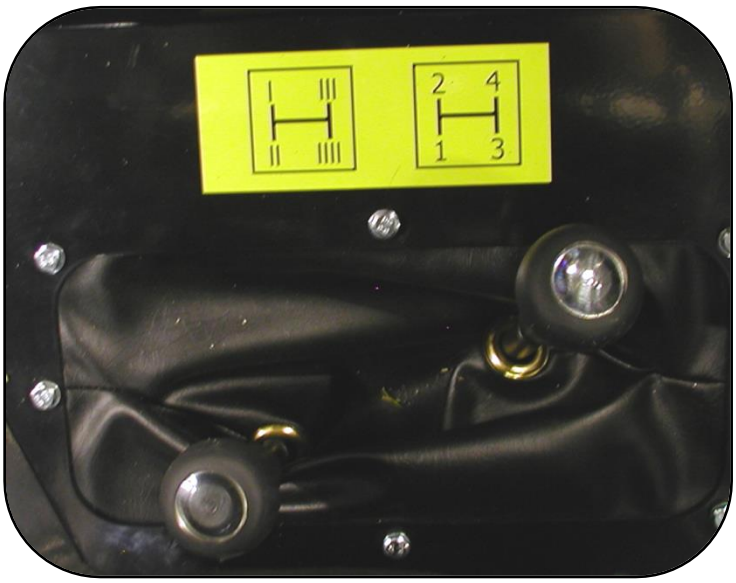
When working with harvesting equipment, an indicator shows at 2300rpm, which is a suitable working speed for harvesting using a Keto Forst harvester.
Driving at a higher RPM increases the power, but can cause heating of the hydraulic system and uses unnecessary amounts of diesel.
Start from the mark on the throttle, listen to the engine and adjust the RPM up or down so that the engine runs quietly and does not lose speed when it is loaded.
Lower the engine revs and leave it to idle for a minute before stopping the engine.

5.9 Steering

The machine has both centre steering and front axle steering.
The machine is operated with steering levers. See "Machine controls, crane and base machine".

5.10 Gears

Gear changes must be done with the accelerator in neutral. If you cannot manage to get either in to or out of gear, try carefully rolling the machine forwards or backwards by pressing the accelerator.
Gear box location according to the decal.



5.11 Parking

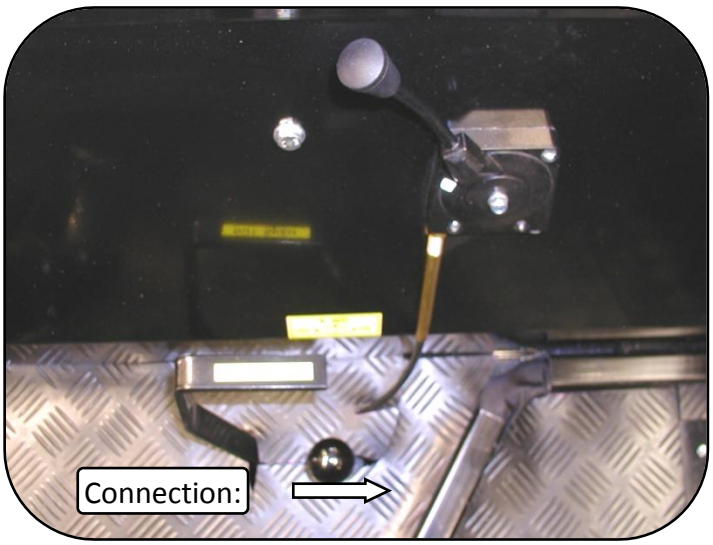
1. Park the machine on flat ground.
2. Put the accelerator in neutral.
3. Lower the unit towards the back.
4. Stopping the engine.
5. Walk around the machine and check for any damage.

5.12 4-wheel drive

The machine's engageable/disengageable 4-wheel drive is operated according to the image. Read chapter 5.5 for a description of the 4-wheel drive. If you cannot manage to get either in to or out of gear, try carefully rolling the machine forwards or backwards by pressing the accelerator.

Connection:

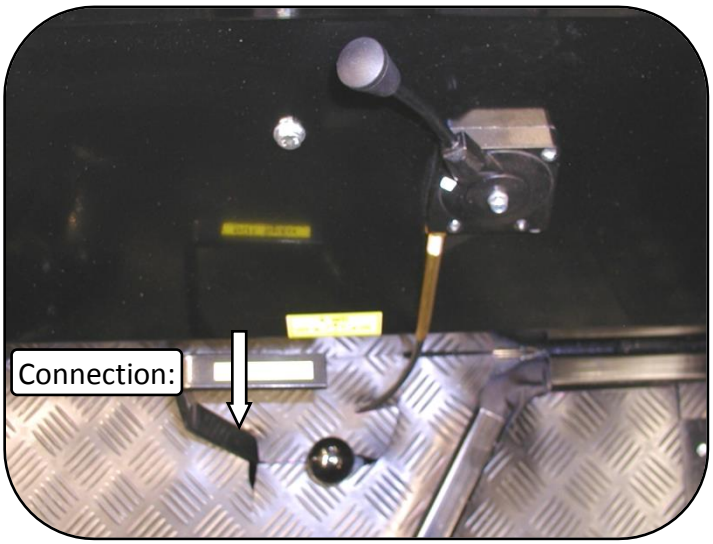
- Move the lever in the direction of the arrow



5.13 Limited Slip Differential

Over difficult terrain, the limited slip differential can be locked, in order to increase navigability.
The locking is connected during operation when one of the wheels spins.
Connection:

- Pull the lever in the direction of the arrow, towards the driver's seat.



Do not drive the machine for long distances with the limited slip differential connected. Increased wear to the machine!

5.14 Cab Heating

You can regulate the heat in the cab by opening and closing the stopcock varying amounts.
See "Machine controls".
The fan in the cab should always be on.

5.15 AC (Extra option)

The machine can be optionally equipped with AC.
See "Machine controls" for operation instructions.
For further information, see separate manual.

5.16 Diesel heater (Extra option)

5.17 Diesel heater

The machine can be optionally equipped with a diesel heater.
For further information, see separate manual.

Observe the indicated care instructions.

In order for the diesel heater to function correctly, the cab heater stopcock must be fully open, otherwise no heat will be released into the cab and the diesel heater will shut down due to overheating.

5.18 Off-Road Driving

Never drive faster than feels comfortable. This spares the driver, the machine and the environment.
When driving over hilly terrain, transport should be done directly up or down in order to reduce the risk of tipping.

5.19 Crane Operation

- Manoeuvre the crane with gentle movements. Correct usage will considerably extend the lifespan of the base machine, the crane, the hydraulics and the harvesting unit.

Extra care should be taken when driving near to power lines. The crane should always be at least 6 metres from the power lines.

6 Transporting the Machine

The machine may not be driven on public roads.

Ensure that the machine is always adequately secured when it is transported on another vehicle.

6.1 Attachment points for towing

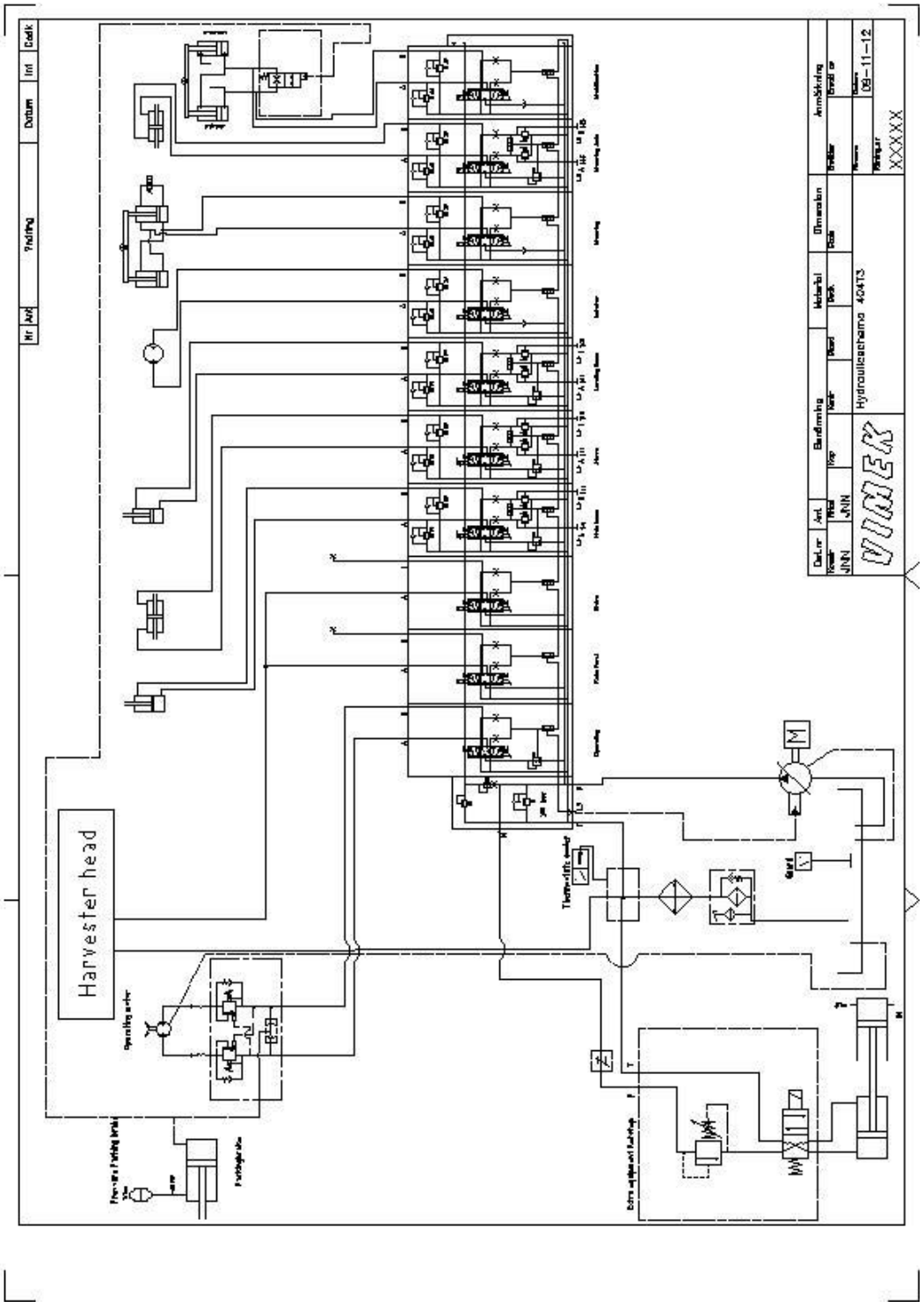
The machine's gearbox must be in neutral and the machine's brake circuit must be depressurised (see service manual) in case the machine is not operated.

7 Long-Term Storage

For service instructions, see "Service/Maintenance" in the machine manual.

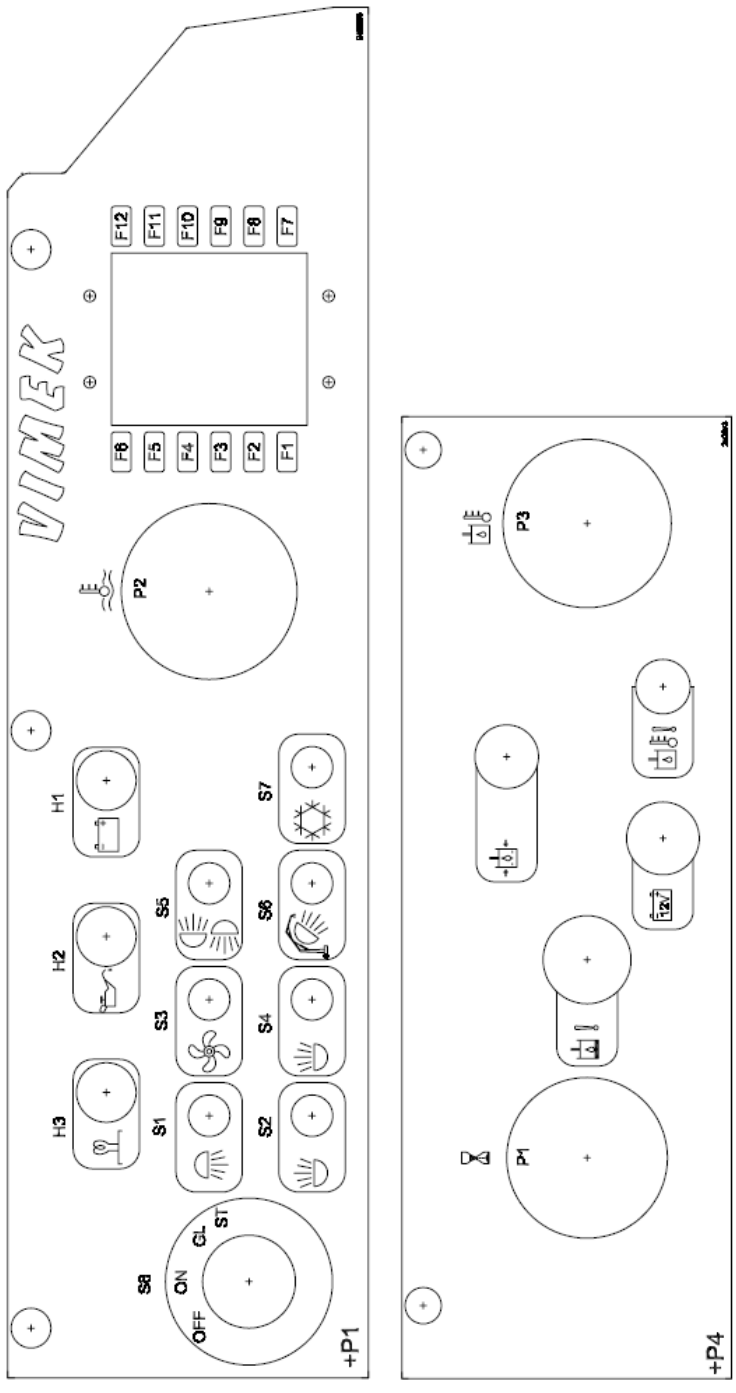
- Clean the machine thoroughly.
- Grease all lubrication points.
- Change the oil in the engine, gearbox and corner axle.
- Run the engine for 5 minutes to allow the new oil to permeate.
- Check that the coolant will cope with low temperatures and will maintain its corrosion protection.
- Change the fuel filter.
- Chock up the machine so as to not damage the tyres.
- Disconnect the battery.
- Charge up the battery and fill with distilled water to the upper level.
- Keep the battery dry and warm. Give the battery a maintenance charge once a month.

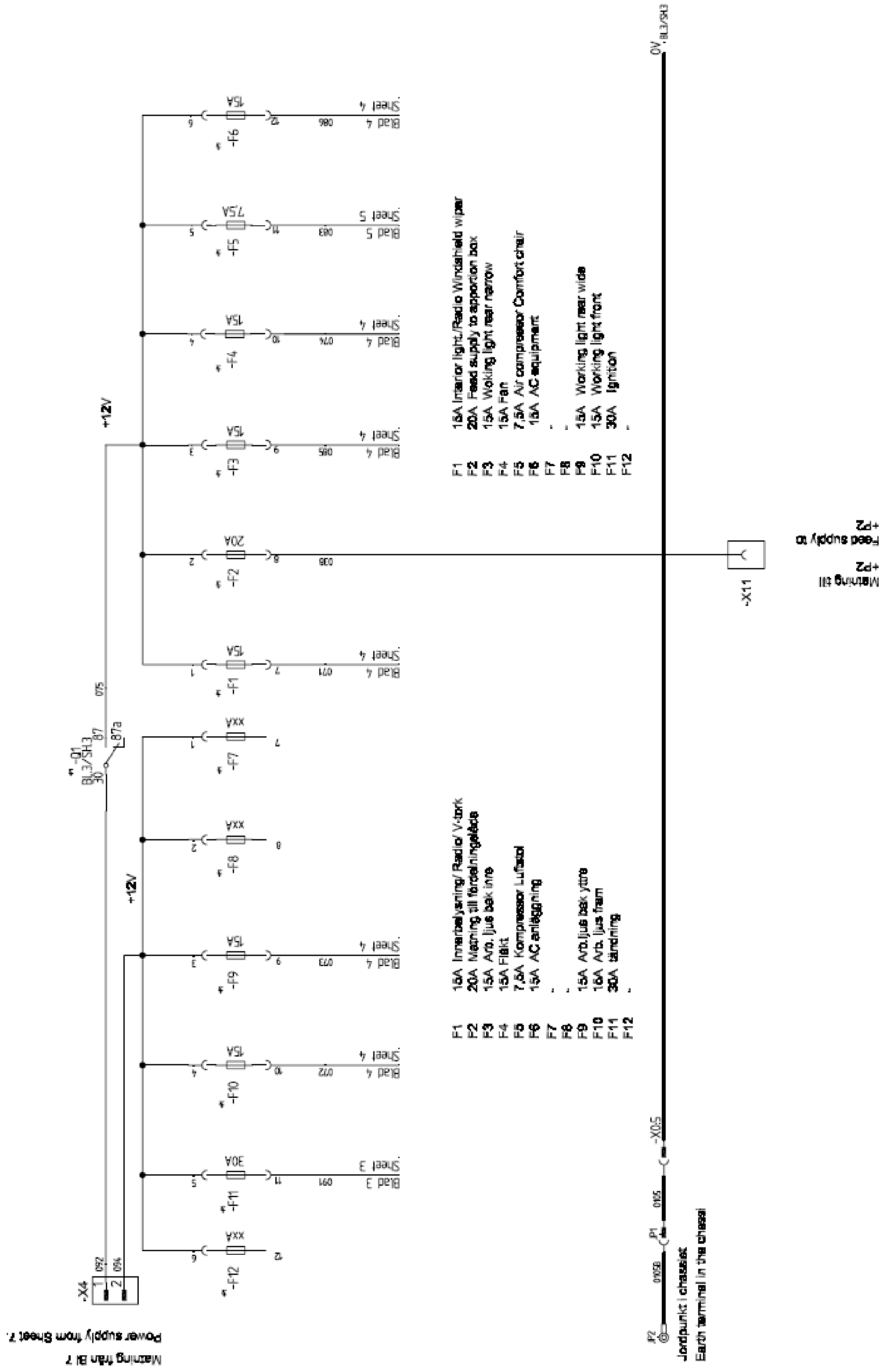
8 Hydraulic circuit diagram

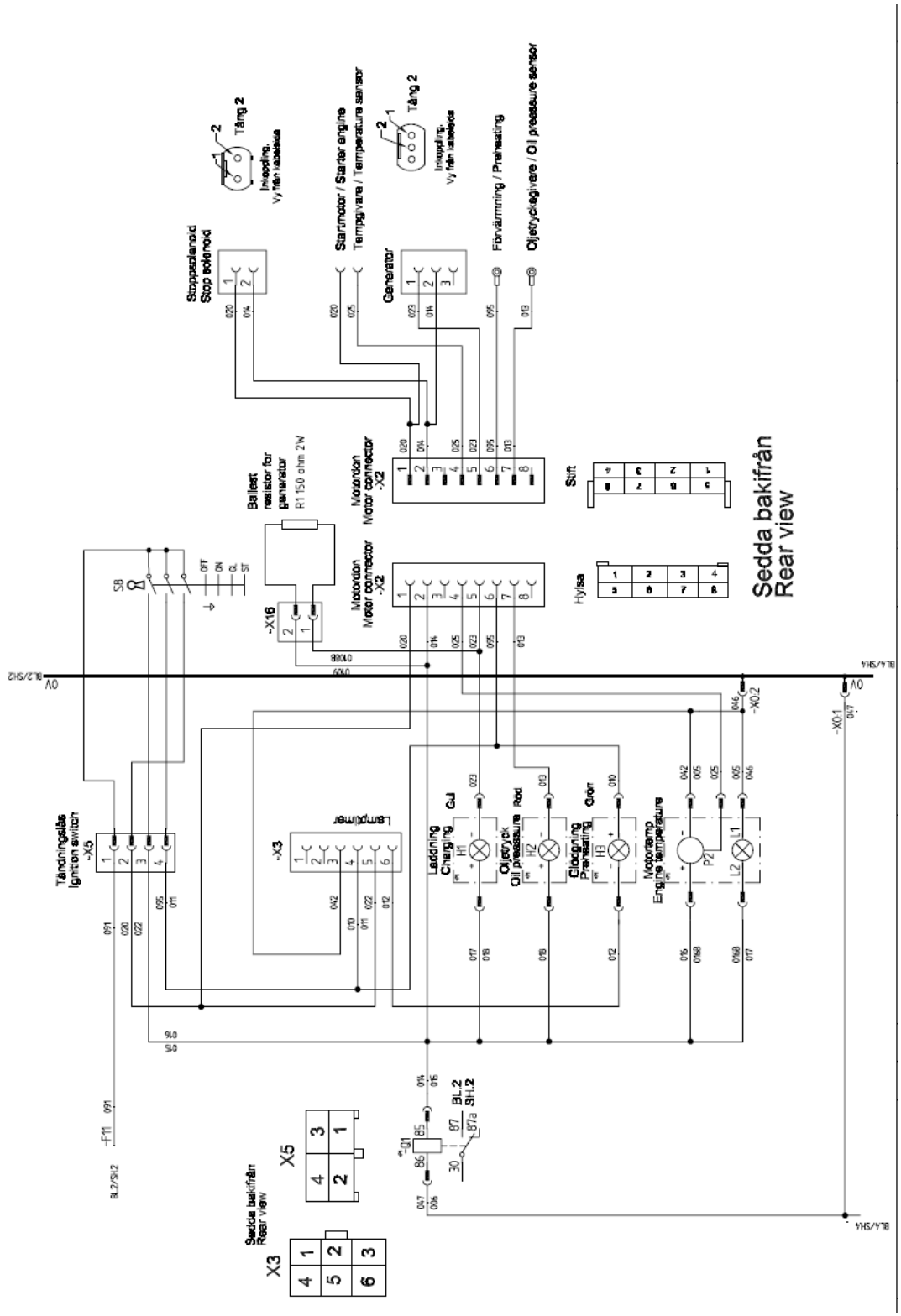


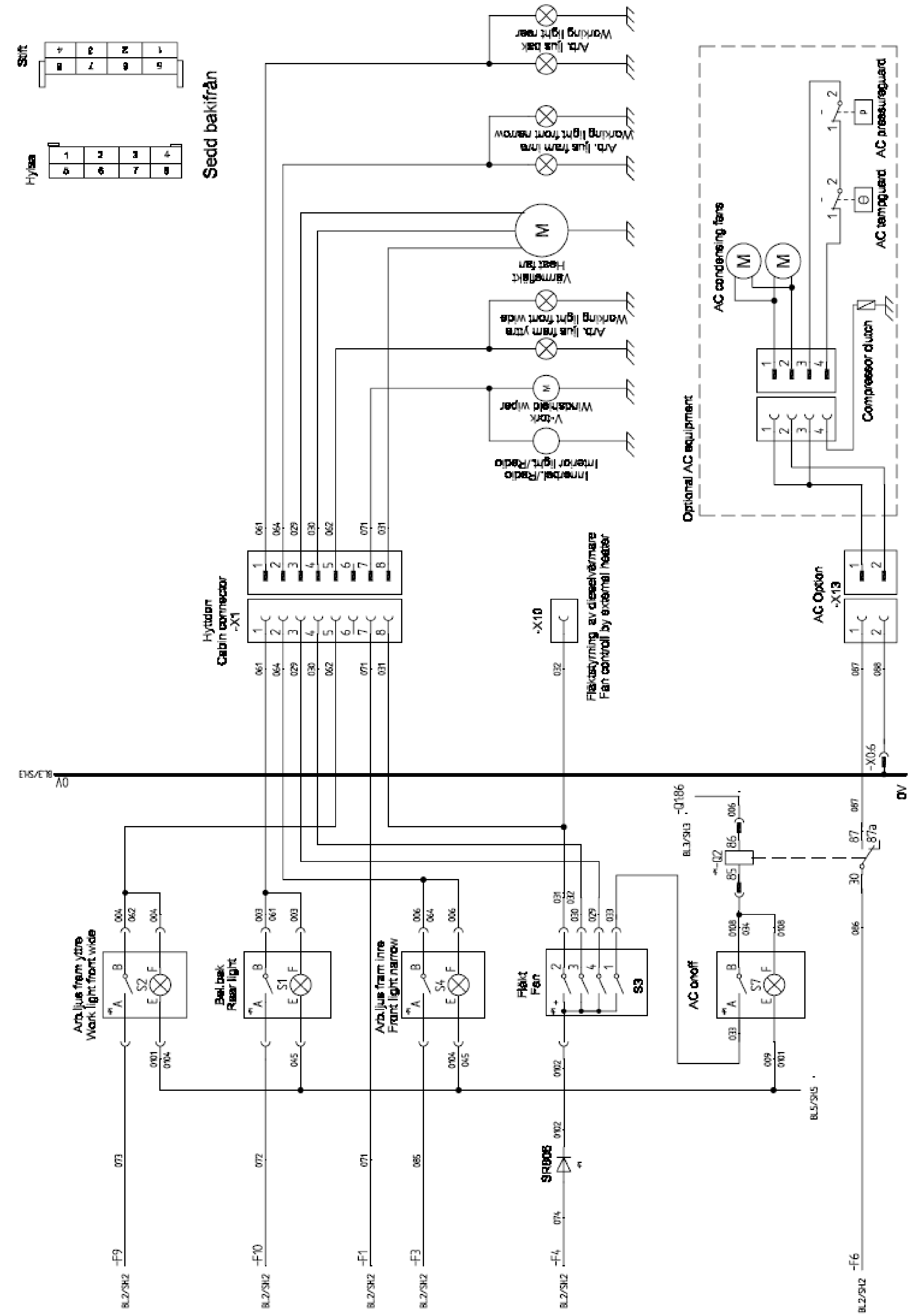
9 Electricity circuit diagram

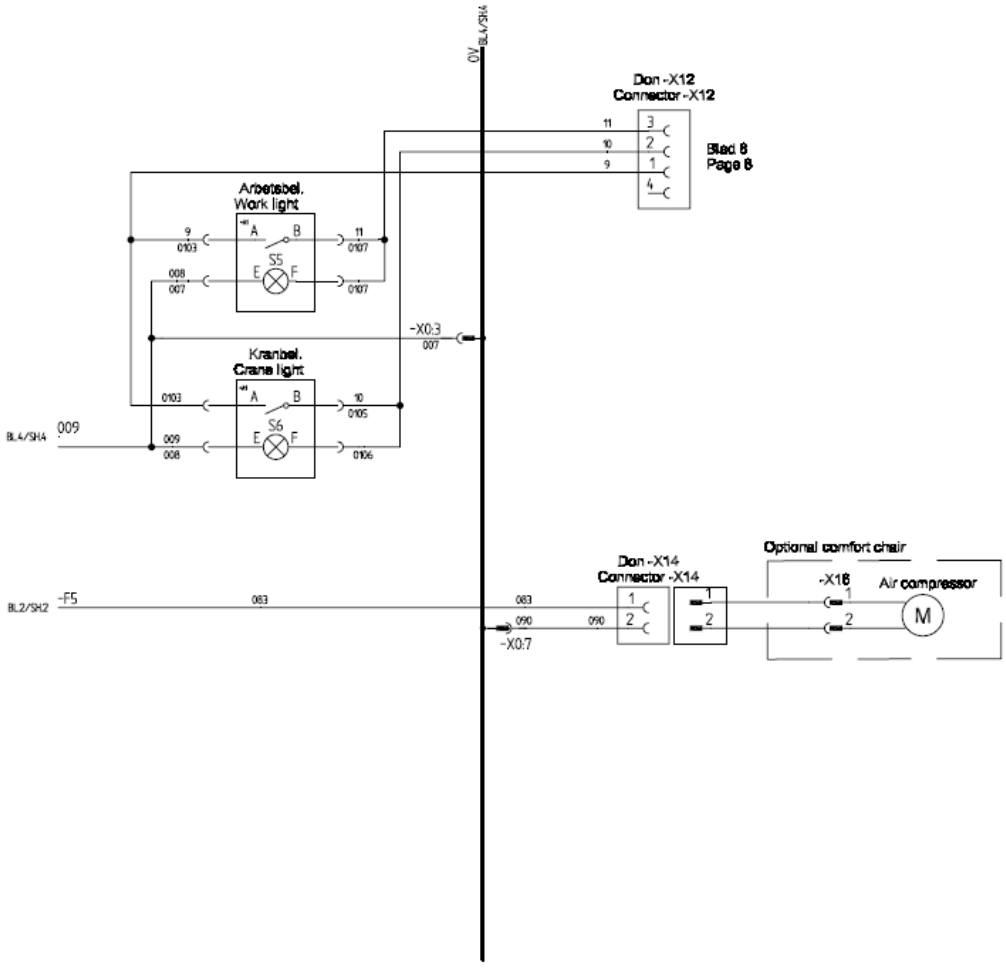
S1	BELYSNING BAK	F1	15A	Innerbelysning/ Radio/ V-tork	S1	REAR LIGHT
S2	ARBETSLJUS FRAM YTTRE	F2	20A	Matning till fördelningsdosa	S2	WORKING LIGHT REAR WIDE
S3	FLÄKT	F3	15A	Arb. ljus bak inre	S3	FAN
S4	ARBETSLJUS FRAM INRE	F4	15A	Fläkt	S4	WORKING LIGHT REAR NARROW
S5	ARBETSBELYSNING	F5	7.5	Kompressor luftskol	S5	WORK LIGHT
S6	KRANBELYSNING	F6	15A	AC-anläggning	S6	CRANE LIGHT
S7	AC ANLÄGGNING	F7	-		S7	AC EQUIPMENT
S8	TÄNDNINGSLÅS	F8	-		S8	IGNITION SWITCH
		F9	15A	Arb.ljus bak yttre	H1	CHARGING
H1	LADDNING	F10	15A	Arb. ljus fram	H2	OIL PREASSURE
H2	OLJETRYCK	F11	30A	tändning	H3	PREHEATING
H3	GLÖDGNING	F12	-			
					P1	HOUR COUNTER
P1	TIMRÄKNARE				P2	ENGINE TEMPERATURE
P2	MOTORTEMP				P3	HYDRAULIC OIL TEMPERATURE
P3	HYDRAULOLJETEMP					




+12V
F1 15A Interior light/Radio Windshield wiper
F2 20A Feed supply to apportion box
F3 15A Woking light rear narrow
F4 15A Fan
F5 7,5A Air compressor Comfort chair
F6 15A AC equipment
F7 -
F8 -
F9 15A Working light rear wide
F10 15A Working light front
F11 30A Ignition
F12 -
F1 15A Innerbelysning/ Radio/ V-tork
F2 20A Matning till fördelningslåda
F3 15A Arb. ljus bak inre
F4 15A Fläkt
F5 7,5A Kompressor Luftstol
F6 15A AC anläggning
F7 -
F8 -
F9 15A Arb.ljus bak yttre
F10 15A Arb. ljus fram
F11 30A tändning
F12 -
Matning till +P2
Feed supply to +P2
-X11
Matning från Bl 7
Power supply from Sheet 7.
-X4
-X05
Jordpunkt i chassiet
Earth terminal in the chassi
0V


Sedda bakifrån
Rear view
Tång 2
Stoppsolenoid
Stop solenoid
Startmotor / Starter engine
Temperaturgivare / Temperature sensor
Generator
Förvärmning / Preheating
Oljetrycksgivare / Oil pressure sensor
Ballast resistor for generator R1 150 ohm 2W
Motordon
Motor connector -X2
Stift
Hylsa
Tändningslås
Ignition switch -X5
Lampdjurmer
Laddning
Charging
Oljetryck
Oil pressure
Glödgning
Preheating
Motorramp
Engine temperature
Sedda bakifrån
Rear view

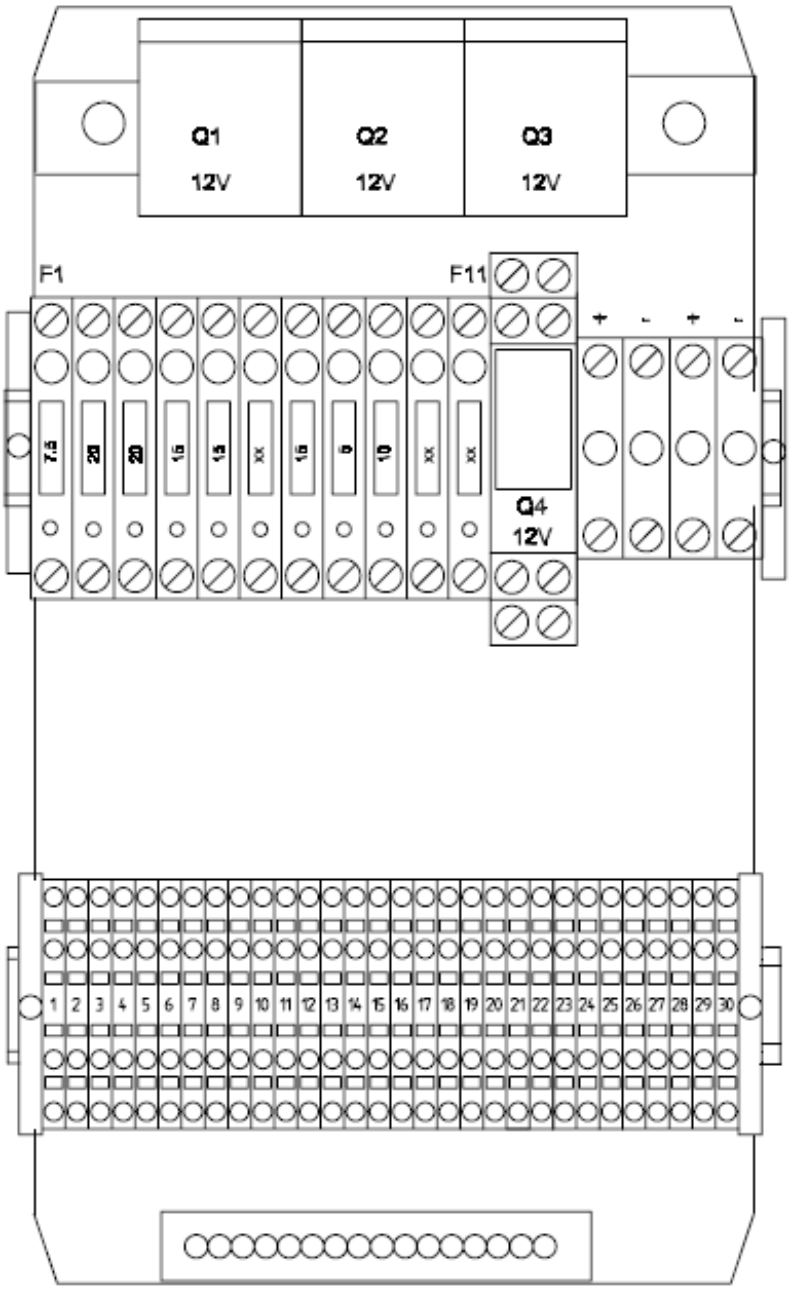

Sedd bakifrån
Hyttdon
Cabin connector
-X1
-X10
AC Option
-X13
Optional AC equipment
AC condensing fans
Compressor clutch
AC tempguard
AC pressureguard
Värmefläkt
Heat fan
Windshield wiper
AC on/off
Fläkt
Fan
S3
Rear light
Front light narrow
Work light front wide
0V


0V BL4/SH4
Don -X12
Connector -X12
Sked 8
Page 8
Arbetsbel.
Work light
S5
Kranbel.
Crane light
S6
-X0:3
BL4/SH4 009
Don -X14
Connector -X14
Optional comfort chair
-X18
Air compressor
M
BL2/SH2 -F5
-X0:7

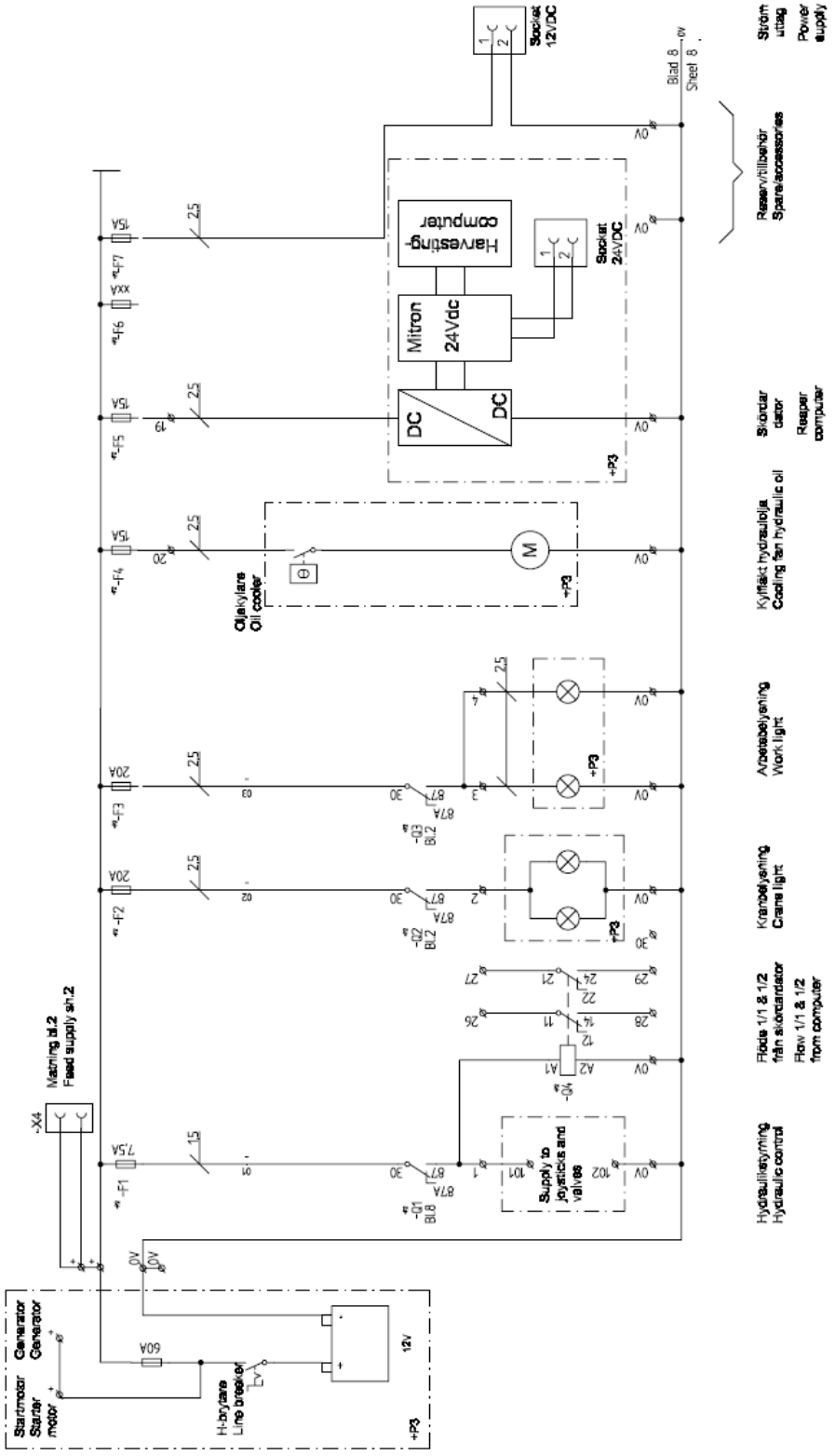
F1	7,5A	Hydraulikstyrning
F2	20A	Kranbelysning
F3	20A	Arbetsbelysning
F4	15A	Kylfläkt hydraulolja
F5	15A	Skördardator
F6	xxA	Reserv
F7	15A	Strömuttag
F8	5A	Flytläge stabilisering
F9	10A	Cigarettändaruttag
F10	xxA	Reserv
F11	xxA	Reserv

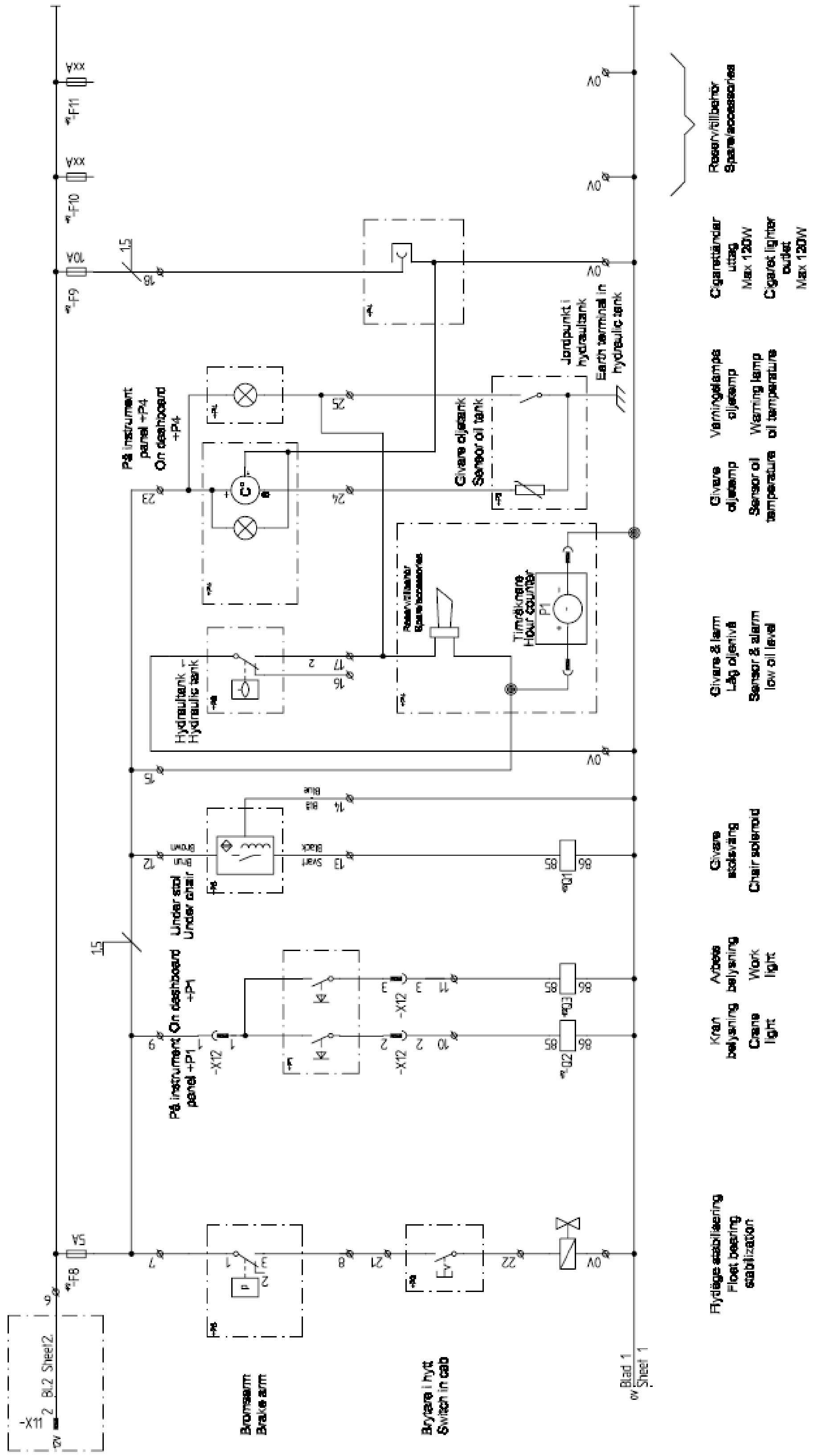
F1	7,5A	Hydraulic control
F2	20A	Crane light
F3	20A	Work light
F4	15A	Cooling fan hydualic oil
F5	15A	Reaper Computer
F6	xxA	Spare
F7	15A	Power supply
F8	5A	Float bearing stabilization
F9	10A	Cigaret lighter outlet
F10	xxA	Spare
F11	xxA	Spare

Q1	Hydraulikstyrning	Q1 Hydraulic control
Q2	Kranbelysning	Q2 Crane light
Q3	Arbetsbelysning	Q3 Work light
Q4	Blockering pumpar	Q4 Disengage pumps



+P2


Socket 12VDC
Ström uttag
Power supply
Blad 8
Sheet 8
Reservtillbehör
Spare/accessories
Harvesting computer
Mitron 24Vdc
Socket 24VDC
DC
DC
Skördar dator
Reaper computer
Kylfläkt hydraulolja
Cooling fan hydraulic oil
Oljekylare
Oil cooler
Arbetsbelysning
Work light
Kranbelysning
Crane light
Flöde 1/1 & 1/2 från skördardator
Flow 1/1 & 1/2 from computer
Hydraulstyrning
Hydraulic control
Supply to joysticks and valves
Matning bl.2
Feed supply sh.2
Startmotor
Starter motor
Generator
Generator
Huvudbrytare
Line breaker
60A
12V


Reserv/tillbehör
Spare/accessories
Cigarettändaruttag Max 120W
Cigarett lighter outlet Max 120W
Varningslampa oljetemp
Warning lamp oil temperature
Givare oljetemp
Sensor oil temperature
Givare & larm Låg oljenivå
Sensor & alarm low oil level
Givare stolsvängning
Chair solenoid
Arbetsbelysning
Work light
Kranbelysning
Crane light
Flytläge stabilisering
Float bearing stabilization
Bromsarm
Brake arm
Brytare i hytt
Switch in cab
Hydraultank
Hydraulic tank
Under stol
Under chair
På instrument panel +P1
On dashboard +P1
På instrument panel +P4
On dashboard +P4
Givare oljetank
Sensor oil tank
Jordpunkt i hydraultank
Earth terminal in hydraulic tank
Timräknare
Hour counter
Blad 1
Sheet 1

10 Spare parts

The spare parts catalogue is supplied separately and can contain several different models than described here. See "Spare Parts" in the machine manual.
Only use original spare parts from VIMEK.
When ordering spare parts, please state both the spare part number and the machine/crane's production number to ensure the correct parts for your machine.
To find the production number on the machine, see under section "Markings".

11 Warranty

The warranty is not valid for faults arising due to incorrect care or poor maintenance.

Vimek i Vindeln AB guarantees that each new VIMEK 608 leaving the factory is free from material and manufacturing defects and faults.

Warranty period

- The warranty applies to components that have become unservicable within 12 months or 1000 hours, whichever is sooner.
- The warranty period commences once the machine has been delivered from Vimek.
- The warranty terms and conditions apply to each complete machine supplied by Vimek as stated on the order confirmation.
- The warranty only remains valid if the first service has been carried out by a Vimek-appointed mechanic.

Owner undertakings

- Faults or defects must be reported to Vimek or the relevant dealer immediately and corrected so that the fault does not worsen or cause other damage.
- The initial service is to be performed at 100 operating hours and to be booked by the customer well in advance at the local dealership.
- Before the initial service, the machine owner must order and pay for all materials. The machine owner is also responsible for handling oil changings and parts replacements, as well as ensuring that the machine is in a suitable location for the service to be performed.
- If a situation arises that requires the machine to be repaired under the terms of the warranty, the machine owner must provide an assistant for the official repairer.

Scope

- The warranty does not cover standard consumables such as oils, hoses, filters, lamps, sensors, belts, chains, knives, tyres, anti-skid devices, etc, nor does it cover any individual part costing less than SEK 200.
- The warranty does not cover work normally carried out by the driver such as applying lubrication, torque tightening bolt joints, performing simple repairs and replacing parts that the driver/owner would not normally employ a mechanic to do.
- The warranty undertaking does not cover faults and defects caused by:
    - Poor maintenance
    - Incorrect operation
    - Changes made to the machine by the purchaser without the approval of the manufacturer, e.g. changes to the hydraulic power of the machine

    - Consequential damage caused by outside influences.
    - If the machine has been run in temperatures below -25 degrees.
    - Damage arising as the result of third-party spare parts being used.
- Vimek is not liable to pay compensation for production losses, income lost during servicing or other indirect damage suffered due to faults or defects in the machine.
- Faults or deviations in relation to the normal standard in parts of the machine that require normal servicing or adjustment are not to be regarded as being covered by the warranty provided that the fault does not remain after servicing or adjustment work has been carried out.

Labour, transportation and travelling expenses

- During the warranty period, Vimek undertakes to repair faulty parts or replace them with a new or refurbished part. If the procedure in question requires the involvement of a mechanic, the dealer must be remunerated for reasonable labour costs.
- There is no liability to remunerate travelling expenses incurred by service personnel.
- The purchaser may carry out the repair themselves or replace the faulty part provided that the dealer has been consulted and the parties are in agreement.
- Parts are sent by normal post; for express delivery, any additional costs are charged,

Material

- All items for which remuneration is required must be purchased from the local Vimek dealer.
- Replaced parts must be clearly marked with customer details, machine number, a description of the fault and be returned, along with a completed claim form, to Vimek within two weeks for assessment. A credit will be applied to returned parts if the claim is approved.

Spare parts

- The guarantee period on parts supplied during the warranty period ends at the same time as the warranty period of the machine.