Ingersoll-Rand
Utility Equipment

# Operating & Maintenance Manual

## Crawler Excavator
## ZX125



**This manual contains important safety information.**
**Do not destroy this manual.**
**This manual must be available to the personnel who operate and maintain this machine.**

Ingersoll-Rand
Utility Equipment

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## 5.2.4 Operation - Additional Control Circuit

### Additional Control Circuit I (25/17)

### Rock Breaker Operations

- Set change-over switch (25/36) to "Rock breaker operations" (indicator lamp in switch lights up).
- Rock breaker pressure switch (25/17) "ON/OFF".

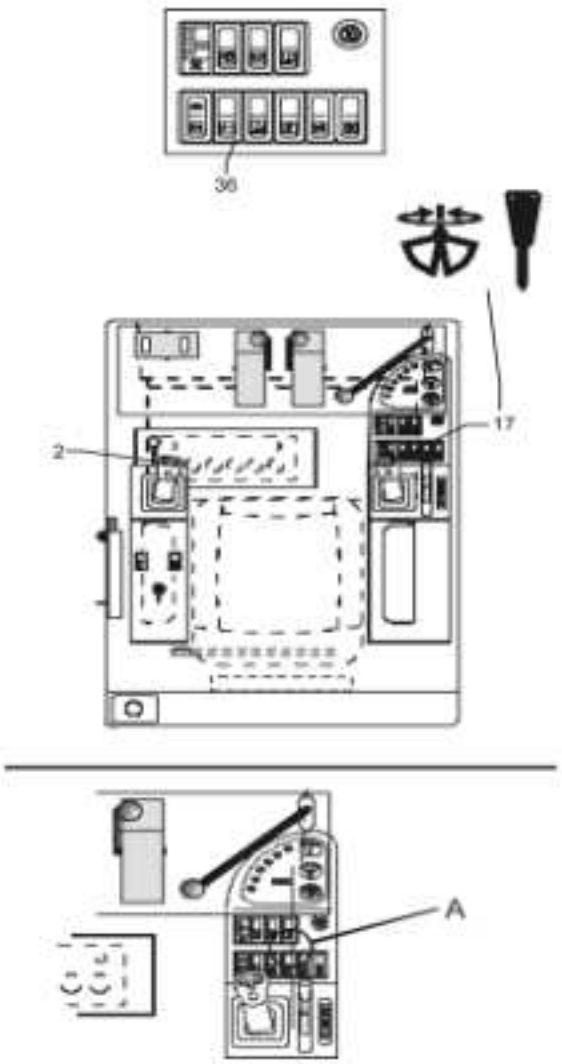



*Fig. 25 - Operation*

### Grapple Operations (Swing Bucket, etc.)

- Set change-over switch (25/36) to "Grapple operations" (indicator lamp in switch is OFF).
- Pressure switch (25/17) "Grapple rotation left/right".



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## 6.2 Loading the Machine by use of a Crane

**⚠ WARNING**

**Use a crane with sufficient weight lifting capacity!**

To load the excavator onto a flat bed trailer, etc., the following activities must be carried out:

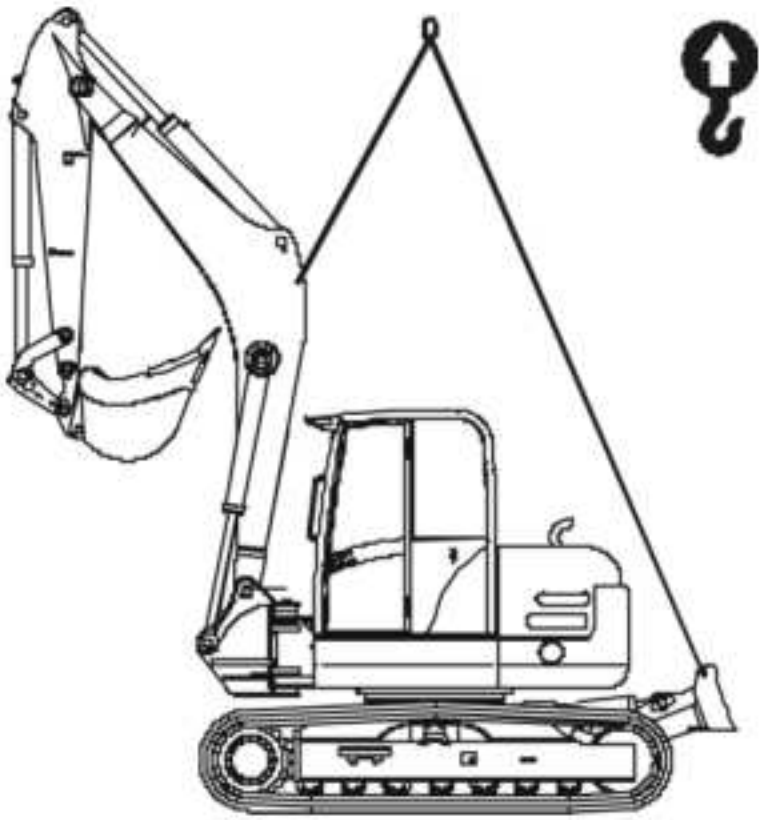


*Fig. 32 - Crane suspension*

- Empty and fold in the bucket.
- Position the work equipment straight ahead.
- Slew the uppercarriage in such a way that the work equipment is in "straight ahead" position, as opposed to the dozer blade.
- Completely raise the boom.
- Retract the dipperstick.
- Switch off the engine.
- Dismount from the excavator and close the doors.
- Attach the excavator to the 3-point hoisting appliance at the points illustrated (Fig. 32) in the correct manner.



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### 7.9.9 Hydraulic Oil Return Filter

**Cartridge Maintenance Interval**

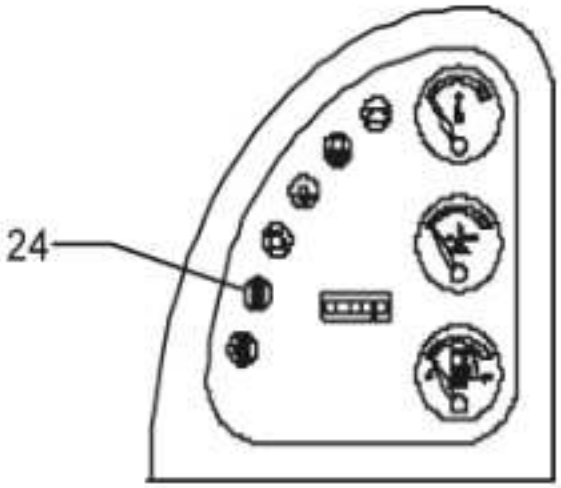



*Fig. 61 - Operation*

- The filter cartridge has to be replaced if, during operation, the indicator lamp (61/24) for filter maintenance in the instrument panel lights up.

**NOTICE**

**After a larger repair job, following the test run the filter cartridge of the return filter (59/2) must be replaced as well.**

**NOTICE**

**Damaged hydraulic attachments may shorten the operating life of the return filter.**



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## 1.3 Notes on Using the Instruction Book

### References to Pictures and Items

The references to pictures and items contained in the text, such as "Figure 12/4" mean Figure 12, Item 4.

Look for these signs on the machine.

**⚠ DANGER**
**(Red Background)**
Indicates the presence of a hazard which WILL cause serious injury, death or property damage, if ignored.

**⚠ WARNING**
**(Orange Background)**
Indicates the presence of a hazard which CAN cause serious injury, death or property damage, if ignored.

**⚠ CAUTION**
**(Yellow Background)**
Indicates the presence of a hazard which WILL or can cause injury or property damage, if ignored.

**NOTICE**
**(Blue Background)**
Indicates important set-up, operating or maintenance information.

## 1.4 Environmental Requirements

Applicable environmental requirements must be observed for all tasks performed on and with the machine.

During installation, repair and maintenance tasks, particular care must be taken that substances that would damage the environment such as:

- Lubricating grease and oil



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**Changing Procedure**

- Attach the clamshell grapple and close the quick-mount hitch.
- Retract the bucket cylinder piston rod completely and close the ball valves (28/3).

**⚠ WARNING**

**When assembling and using a clamshell grapple with quick-attach system, the bucket cylinder piston rod *must* be fully *retracted*.**

- Connect the swivel motor to the couplings (28/1, additional control circuit) and the "Open/Close" function to the couplings (28/2, bucket cylinder).

**NOTICE**

**When the grapple has been dismantled, re-open the ball valves (28/3).**

### 5.3.4 Hydraulic Rock Breaker

**Attachment**

**⚠ WARNING**

**Before mounting an unapproved rock breaker, it is essential to consult your dealer.**

**NOTICE**

**The mounting and operating instructions of the hydraulic rock breaker manufacturer must be observed!**

**The hydraulic circuit of the rock breaker must be secured according to the instructions of the hydraulic rock breaker manufacturer.**

**Standard protection: *4351 psi/300 bar***



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