

Foreword

For you,

This instruction manual is provided for the benefit of personnel carrying out maintenance work, and includes information required for maintenance and lubrication of the machine and all special equipment.



The information contained in this manual is correct with regard to the equipment at the time of publication. Data, diagrams and dimensions are subject to change as a result of technical development.

No liability can be accepted for damage resulting from incorrect maintenance.

In these lubrication and maintenance instructions you will find the titles or the respective symbols "Danger", "Caution" and "Note" used as follows:



DANGER!

"Danger" is used if a maintenance procedure, NOT performed according to the prescriptions given, may cause death or injury to persons.



CAUTION !

"Caution" is used if a maintenance procedure, NOT performed according to the instructions given, may cause damage to the crane or the crane equipment.



NOTE:

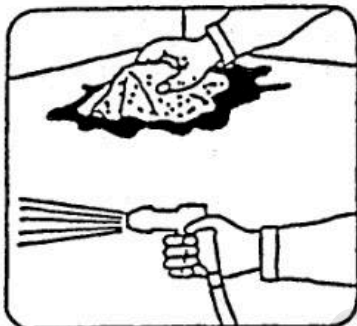
"Note" is used for identifying an important maintenance procedure as well as for additional information.



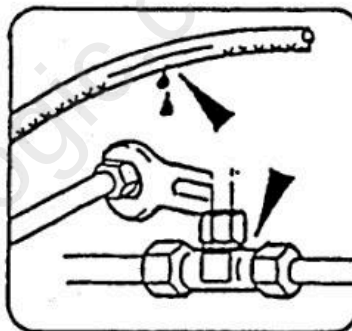
STOP



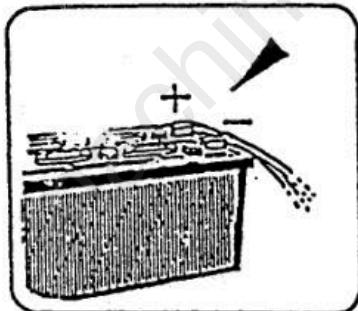
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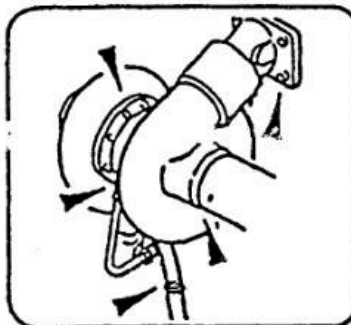
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Z.18.094

7

Slew Gear



When maintenance work is carried out, there is a risk of being dragged in at the slew gear pinion (Z 29 081) – in spite of the protective covering. Observe the warning sign.

7.1

Slew Gear Mechanism – Checking the Oil Level
(Z 35 743)

Always check the oil when the gear mechanism is at a standstill and the oil has cooled off.

The oil must be between the markers on the dipstick. If the level is low, top up with oil to the middle of the markers on the dipstick.

7.2

Slew Gear Mechanism – Changing the Oil
(Z 35 743)

It is easier to change the oil when the gear mechanism is still warm.



Caution! Risk of scalding.

We recommend that goggles, protective gloves and protective clothing be worn.

1. Unscrew the filler plug (1) together with the dipstick.
2. Unscrew plug (2).
3. Unscrew drain plug (3) and drain the oil into a suitable container.



Dispose of the old oil in an environmentally friendly manner.

4. Rinse out the gear with flushing oil before filling with new oil.
5. Clean drain plug (3) and screw in securely.
6. Fill with new oil up to the middle of the markers on the dipstick (5).
7. Screw plug (2) back in.
8. Screw the filler plug (1) and dipstick back in securely.

11.2 Main Boom Extension / Head sheave / Runner



The maintenance jobs dealt with in the following for the main boom extension must be performed also for the head sheave (11.2.1 is inapplicable then) and the runner, if these components have been delivered with your crane.

11.2.1 Checking the Tension Brackets



The tension brackets for setting the working angle must be inspected by an expert at least once a year (in accordance with accident prevention regulations for the operation of load lifting equipment /VBG 9). They should also be inspected by an expert between these intervals if necessitated by the operating conditions.

As the inspection intervals are generally related to operating conditions, if the crane is in operation for longer periods of time the intervals should be reduced accordingly.

Records should be kept of the inspections (e.g. in the crane log book).

It may be necessary to dismantle the tension brackets (Z 36 263) to be able to inspect them correctly.

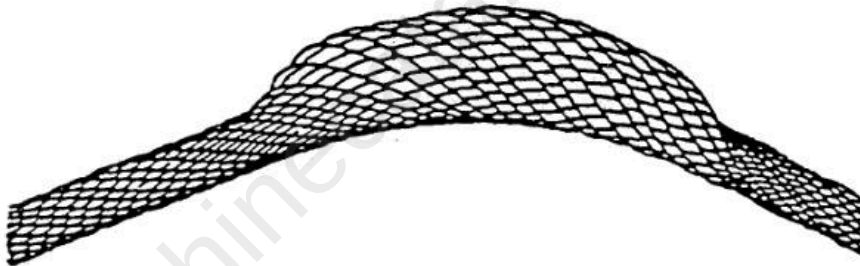
The tension brackets must be inspected in their entirety, i.e. all hidden surfaces and bores must also be inspected.

The following checks must be carried out:

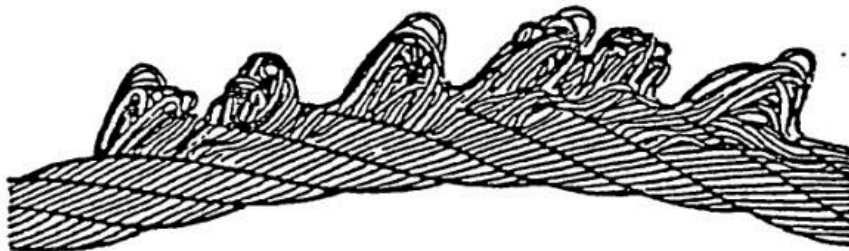
- Checking for cracks
- Checking the length
- Checking for wear
- Checking the paintwork
- Checking for plastic deformation



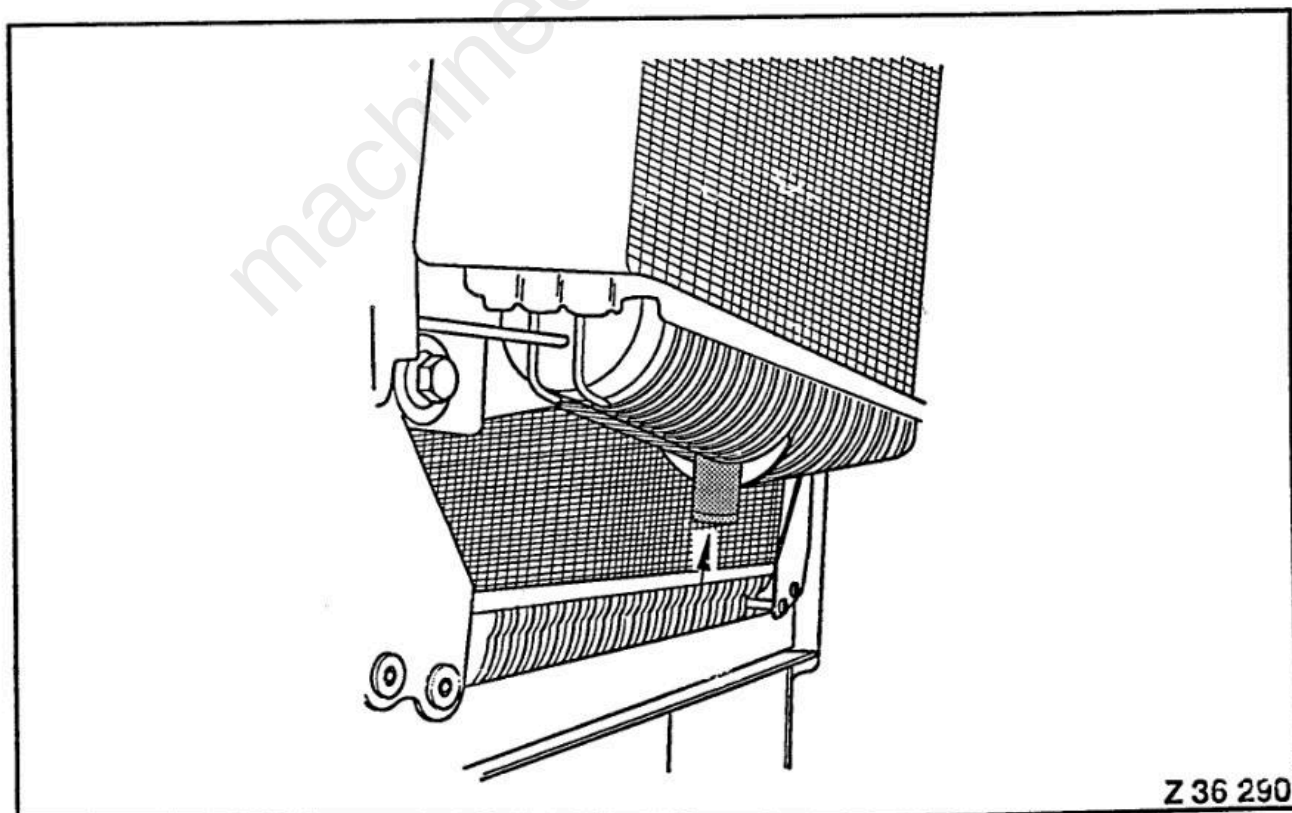
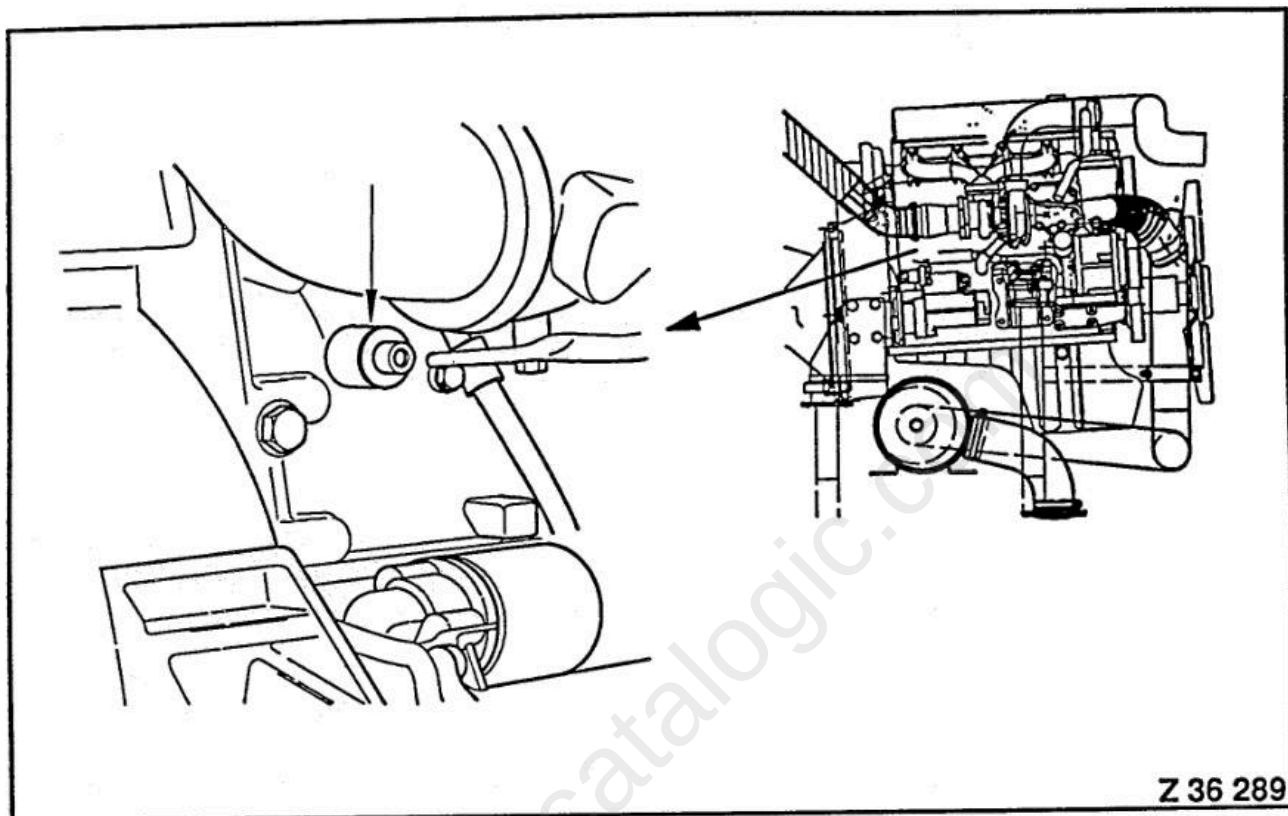
Z 1367



Z 1368



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