31.7 HYDRAULIC PILE DRIVER

- MAIN FIELDS OF APPLICATION

 Foundation work
- River work
- Water supply and sewerage

This is a piling machine employing the hydraulic power source of the excavator. The machine features a long arm and a chuck unit movable by 360°. This facilitates operations such as driving and removing long piles, driving in piles at corners, vertical driving etc.

MISTAKEN METHODS OF USE

To ensure that the machine has a long life, and to ensure that operations are carried out in safety, do not operate the machine in any of the following ways.

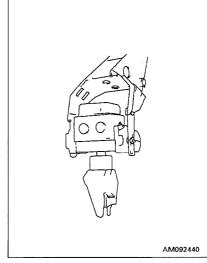
• Do not operate the cylinder to the end of its stroke. Always leave approx. 5 cm (2 in) to spare.

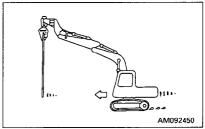
Forward or swing motion while grasping a pile

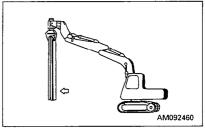
Lifting more than two piles at the same time

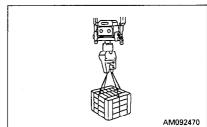
Work other than standard works

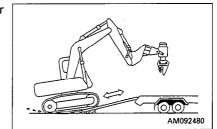
Loading or unloading a machine equipped with hydraulic pile driver











31.8 HYDRAULIC EXCAVATOR WITH MULTI-PURPOSE CRANE

MAIN FIELDS OF APPLICATION

- Site preparation
- Water supply and sewerage
- o River work
- o Agricultural, civil engineering work

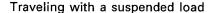
Crane operation can be carried out without removing the bucket. This machine is used for laying U section gutters and hume pipes for water supply and sewerage as well as river and canal work, agricultural, civil engineering work and site preparation.

MISTAKEN METHODS OF USE

To ensure that the machine has a long life, and to ensure that operations are carried out in safety, do not operate the machine in any of the following ways.

Do not operate the cylinder to the end of its stroke.
 Always leave approx. 5 cm (2 in) to spare.

Abrupt lever operation



Operating other work equipment during crane operation

Excessive lengthening of wire rope

