

Contents, Steering

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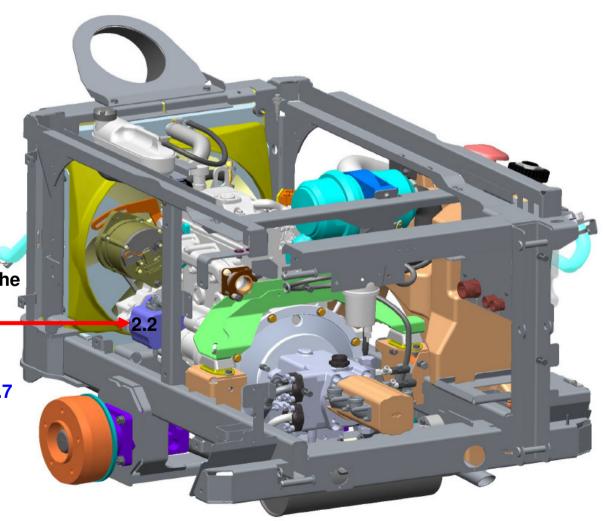


Gear pump 2.2 (steering) in rear carriage of the CM 600

Gear pump 2.2 (11.0 ccm)
Flow rate 10 to 25 I hydraulic oil/minute.

The gear pump 2.2 supplies oil for the hydraulic manifold 2.11 with the priority valve for the steering

and solenoid valves Y12, Y14, Y15, Y16 as well as hydraulic manifold 2.7 with solenoid valves Y17 and Y18





Gear pump 2.2 (steering) in rear carriage of the CM 600



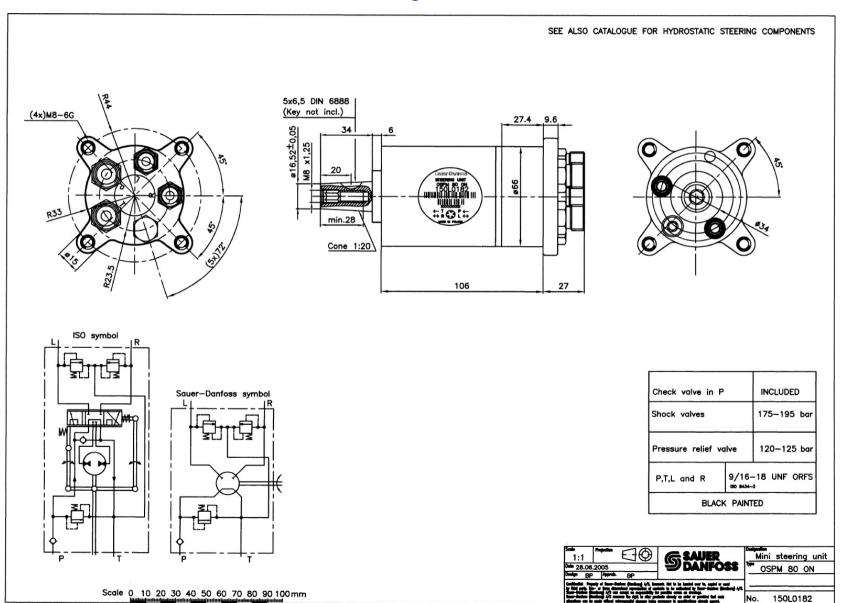
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Huko

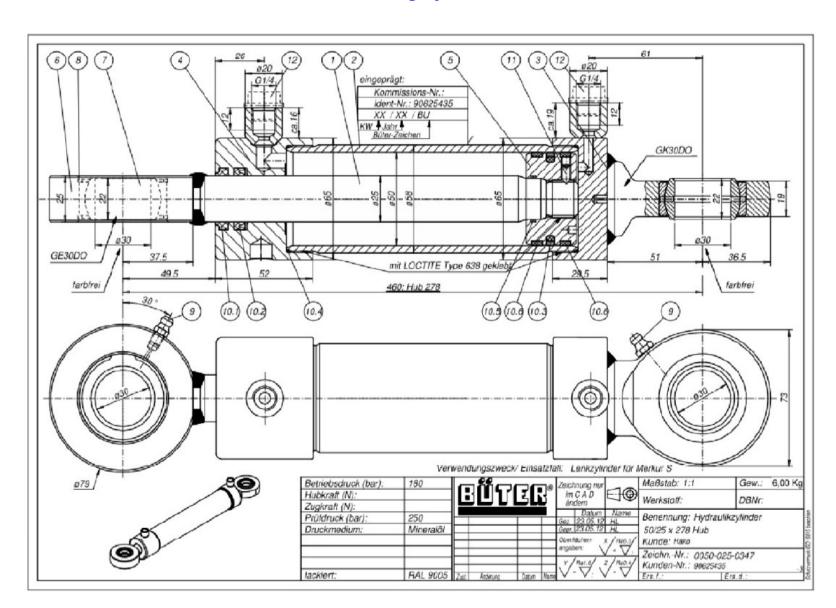
4.0.1 Steering

Steering unit



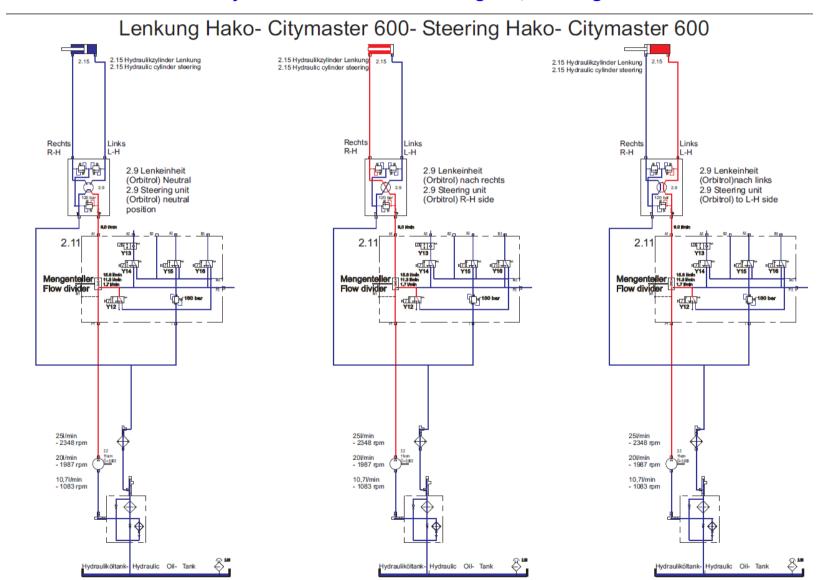


Steering cylinder





Hydraulic function circuit diagram, steering



Hako

4.0.1 Steering

Function faults, steering - Fault location, steering

I. Steering is difficult or jolts when the hydraulic oil is warm:

Solution: Check the steering cylinder for internal leaks.

To do this, turn the steering wheel to its full lock position and disassemble the hydraulic hose of the return line. Keep the steering cylinder in its full lock position with the aid of the steering wheel. No oil may escape from the screw connection of the hydraulic cylinder. If oil does escape, the seal in the hydraulic cylinder is defective. If no oil escapes, repeat the check turning the steering wheel to the other lock direction.

Attention: Reassemble the hydraulic hose beforehand, otherwise oil will escape.

If oil does not escape in the other steering lock direction either, measure the hydraulic oil pressure using a manometer: Note: The pressure measurement must be taken when the oil is warm (50 - 55 °C). Never take measurements when the hydraulic oil is cold!

The hydraulic oil pressure should be approx. 120 bar when the steering is at a full lock. If the measured value is under 100 bar or changes continually, disassemble the flow divider in the main control block and check for signs of soiling and damage. Clean the flow divider or replace it in the case of damage.

II. The steering makes noises:

Solution: Complete the checks described for the "Steering is difficult or jolts when the hydraulic oil is warm" fault (see Section 1).

III. When all the checks have been completed (check the steering cylinder for internal leaks + flow divider) and there is no improvement, change the steering unit.



Notes



Notes