

KAWASAKI ELECTRO-HYDRAULIC STEERING GEAR SERVICE NEWS

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SUBJECT :

Replacement Procedure of hydraulic oil for Steering Gear

Replacement procedure of hydraulic oil as follows:

In order to prevent the entry of foreign matter, please carry out to apply new hydraulic oil using filter of 200 mesh (75μm) or small mesh.

- 1) Turn off the power for steering gear. Be careful not to start accidentally.
- 2) To prevent movement by an external force, fix the tiller by chain block and so on.
(See attachment 1)
- 3) Remove the air breather on tank top , and put out the hydraulic oil in the tank by clean hand pump. Loosen the drain plug of the tank bottom and put out the hydraulic oil in the tank completely. (See below Fig.1)
- 4) Remove the plug of cylinder top. Remove the plug of the cylinder and unplug the hydraulic oil in the cylinder. The hydraulic oil should be careful not to scatter.
- 5) Install the plug of the cylinder bottom, and fill the new oil from the cylinder upper plug part. After oil filling, please refit the cylinder upper plug.

According to the table below, tighten the plug. Please be careful not to damage the O-ring.

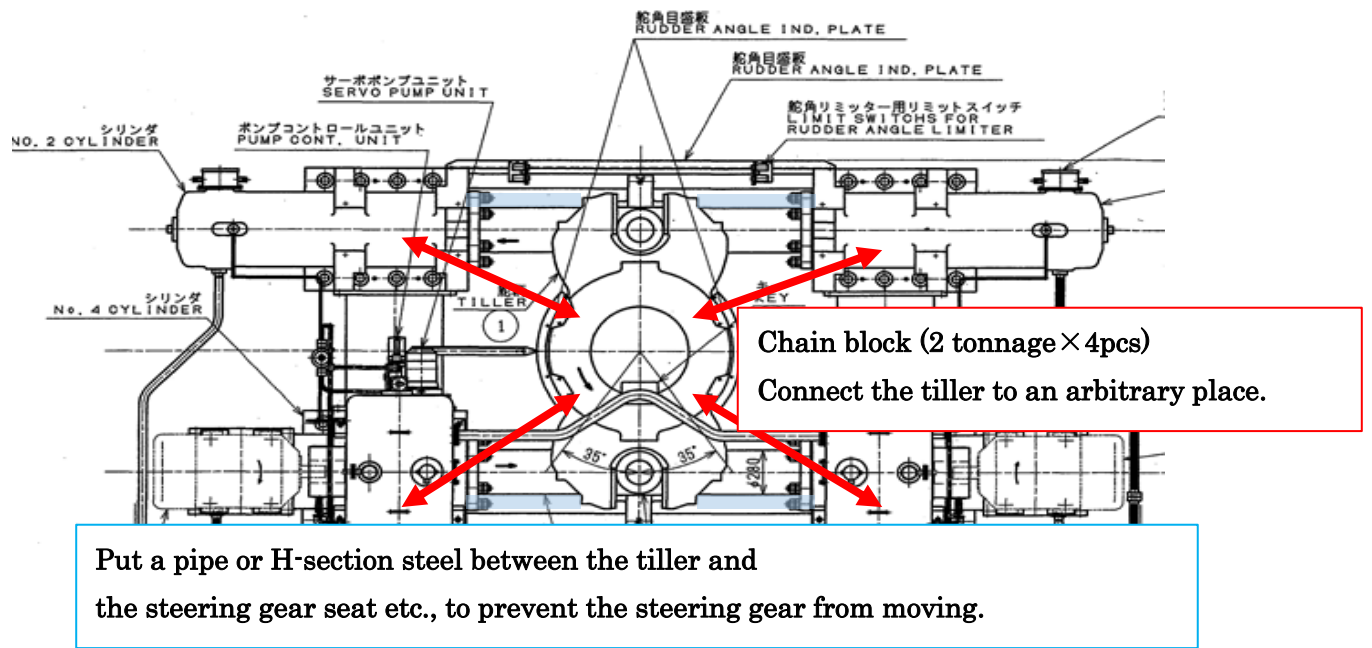
- 6) Reinstall the drain plug of the tank bottom and then fill the new oil from the air breather part. Please fill up until the upper limit on the oil level gauge visible range.
After oil filling, please reinstall the air breather.

- 7) After replacing the hydraulic oil, carry out air bleeding as described in the instruction manual.

Tightening Torque

Item		Plug size (inch)		
		3/4	1	1 1/4
Torque	kgf・cm	1500~1800	2000~2500	2500~3000
	N・m	147.1~176.5	196.1~245.1	196.1~249.2

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※As long as the steering gear is securely lashed, either of the above is acceptable.

Figure 1: Lashing of the steering gear

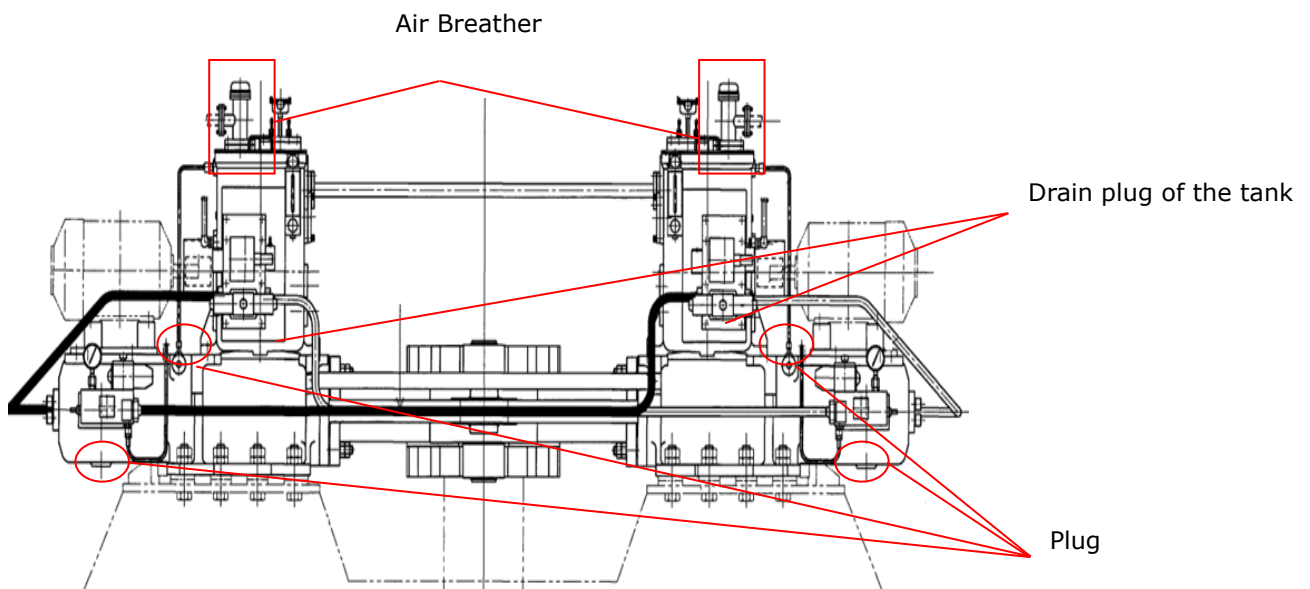


Figure 2: Hydraulic oil drain point