

Hydraulic Tank

General

The hydraulic tank is equipped with two breather assemblies with integrated check valves, used to pressurize the hydraulic tank to approximately 5 psi. See Figure 1. This positive pressure helps to prevent pump cavitation, and the filters in the breather assemblies keep incoming air, and your hydraulic oil, clean.

A petcock is mounted next to the breather assemblies to relieve the hydraulic tank pressure whenever service of the hydraulic system is necessary.



WARNING

Pressurized and/or hot oil hazard.

Make sure to open the petcock prior to changing any hydraulic filters, prior to filling or draining the hydraulic tank, and prior to opening the service cover for the return filters. Failure to relieve pressure in the hydraulic tank may result in severe injury.



CAUTION

When service work is done, make sure to close the petcock prior to operating the machine.

Periodic maintenance of the hydraulic tank breather assembly will ensure that your hydraulic system operates at peak efficiency. Refer to Filter Service in Section 10 for maintenance procedures.

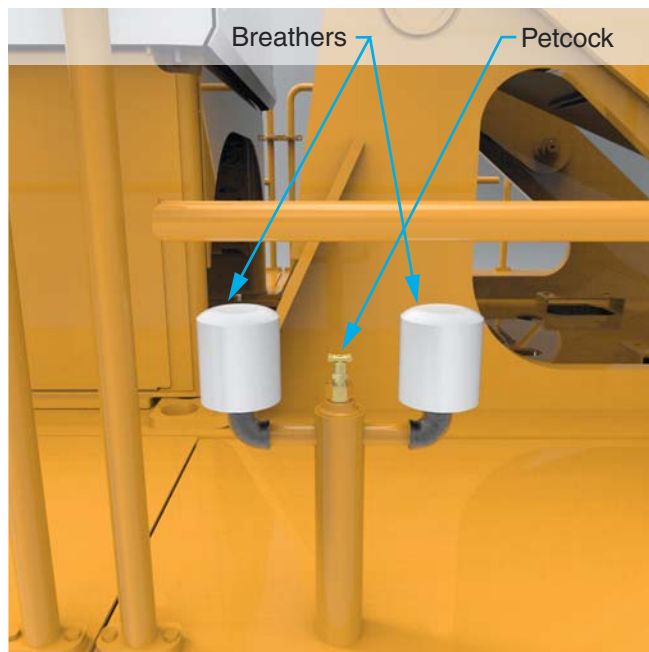


Figure 1 Typical Hydraulic Tank Breather Installation

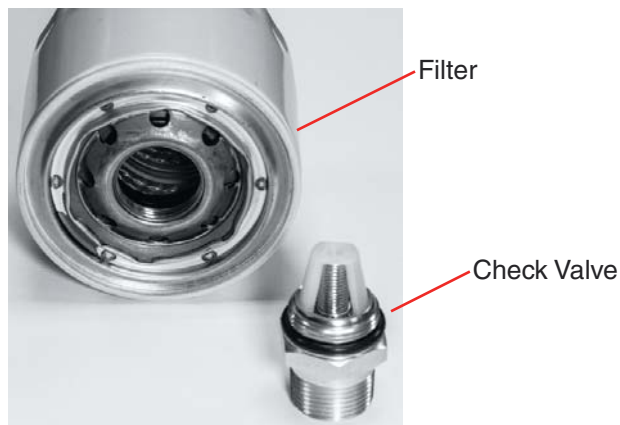


Figure 2 Breather Assembly

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