

Hydraulic Tank Breather

General

The hydraulic tank breather assembly consists of a filter, and a check valve assembly. The check valve maintains positive pressure in the hydraulic tank (5 PSI), helping to prevent pump cavitation. Incoming air passes through the filter, keeping your hydraulic oil clean.

Periodic maintenance of the hydraulic tank breather assembly will ensure that your hydraulic system operates at peak efficiency.

Replacement

The hydraulic tank breather assembly filter should be replaced every 6 months, 1000 hours, or as required, whichever occurs first.

1. Put the machine in the service position (see Section 10-1).
2. Shut down the machine, and employ lockout/tagout procedures.
3. Relieve pressure in the tank by opening the petcock just under the breather.
4. Using a wrench, remove the breather assembly.
5. Remove the check valve. Discard the old filter in accordance with local regulations.
6. Clean the check valve with a non-corrosive solvent.
7. Assemble the cleaned check valve with a new filter element.
8. Reinstall the breather assembly and ensure that it operates normally during operation.

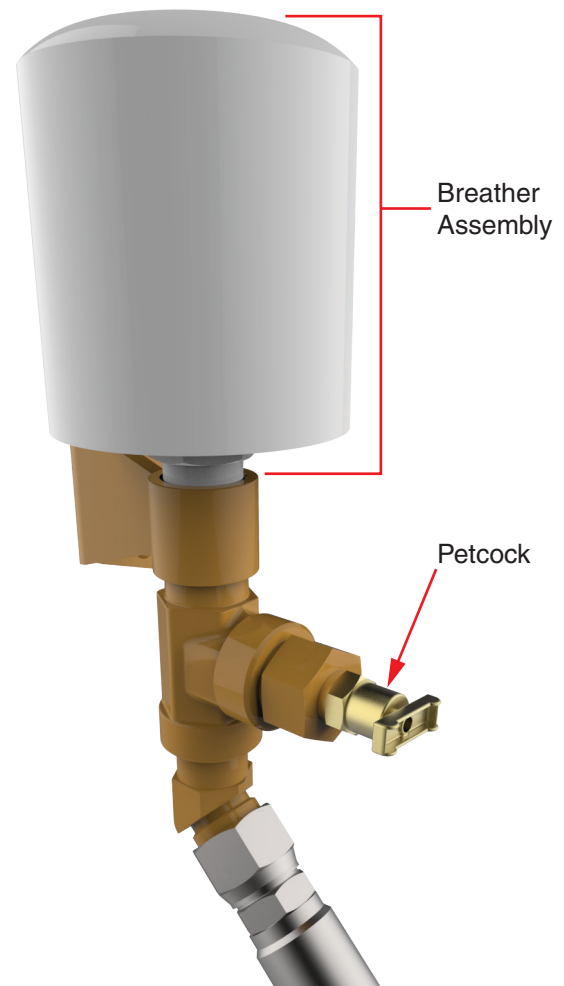


Figure 1 Typical Hydraulic Tank Breather Installation

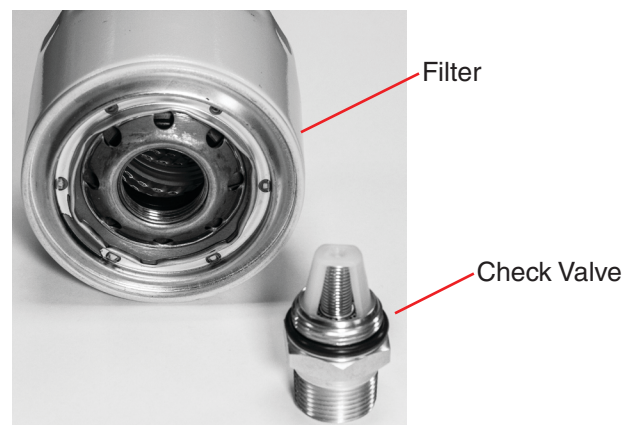


Figure 2 Breather Assembly

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