

Portable Power Service News | Engine

DEF tank cap cleaning procedure

Machine Type:

All compressors using DEF tanks (12/250 – 12/154 – HP915...)

Doosan Portable Power wishes to inform it's users of compressors supplied with DEF tanks that the diesel exhaust fluid (DEF) tank cap requires routine cleaning to prevent the potential for crystallization build up at the vent.

The presence of crystallization build up at the vent may result in potential vacuum issues which could result in collapsing of the tank walls.

Doosan customers are instructed to follow the steps and instructions in this document including observing all warnings and cautions therein every week. In addition, steps should be taken to ensure that the tank is not over---filled as this may accelerate the potential for crystallization build up in the cap vent.

In the event that the operator notices a vacuum in the DEF tank when removing the cap to fill the tank, the cap should be cleaned per the steps and instructions in the letter as soon as possible regardless of the standard preventative maintenance schedule interval.

Cleaning Conditions:

Unless otherwise specified, all procedures are conducted at and at room temperatures of 49°F to 90°F.

Cleaning Media:

Unless otherwise specified, the fluid used for all procedures shall be water.



CAP REMOVAL AND REPLACEMENT PROCEDURE:

- 1) Wipe off the cap and adapter to prevent any debris from entering the reservoir. This helps prevent against contamination and possible damage to the SCR system



- 2) Grip the cap and turn counter clockwise until the cap stops turning.



3) Pull the cap off of the adapter (If the cap has a lanyard, it will still be attached to the reservoir).
Lanyard Only Caps: Take the lanyard attached to the Lanyard Tab of the cap and slide it over the tab so that the cap can be removed.



4) Place the cap in a bucket of water and allow it to soak for approximately five (5) minutes.



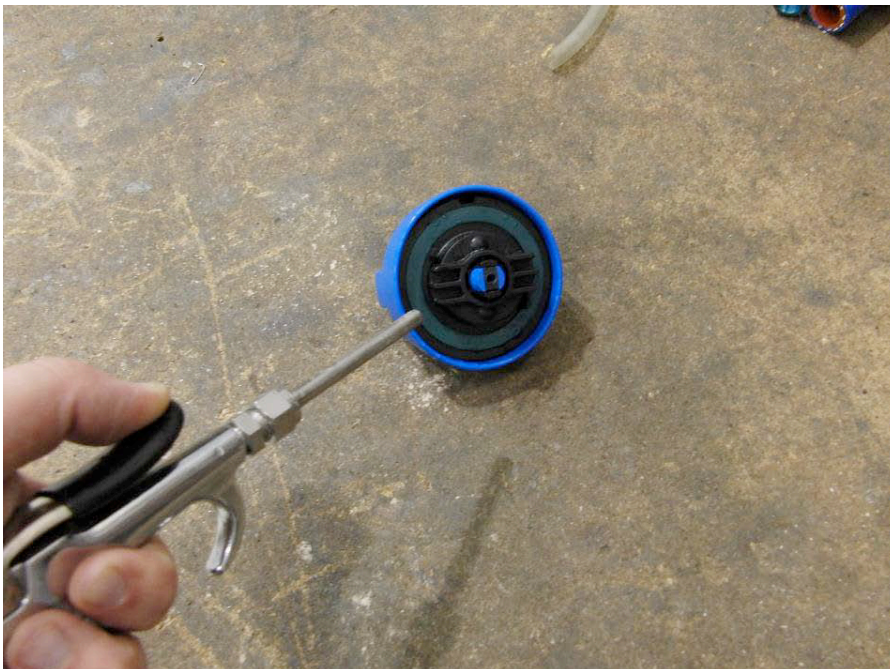
5) After soaking, grip the cap and shake vigorously while underwater to break up and loose and/or remaining DEF within the cap assembly.



6) Shake cap so that any remaining water within the cap assembly is drained.



7) Blow off cap to remove any retained water, to prevent freezing when operating in colder climates.





- 8) Wipe down the fill port adapter with a damp cloth before replacement of the cap.
Take the cap and replace with the grooves on the cap fitting into the notches on the fill port adapter.



- 9) After replacing the cap, re-attach the lanyard to the cap

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