



Dry Bulk cleaning process

4. Procedure:

In bulk transport, our silo containers serve as the product packaging. Because the container, hoses and couplings come into direct contact with the product, thorough cleaning is essential. Only perfectly cleaned equipment allows us to guarantee the quality and safety of our customers' products during loading.

Before cleaning, planner responsibilities:

- books and plans the cleaning and provides information about previous load(s) and any customer-specific cleaning requirements.





Before cleaning, driver responsibilities

- Wear the correct PPE.
- Check that the silo container is depressurised before opening any components.
- Be aware of risks such as nitrogen, gases and ADR/hazardous substances.
- Report any residual load to the planner immediately.
- Remove nitrogen warning stickers where applicable.
- Remove CAT stickers where applicable.
- Present the cleaning information from the onboard computer/app when checking in.
- Prepare covers, couplings, vent valves, non-return valves and hoses for cleaning.
- Remove loose couplings and accessories from boxes and tubes.

During cleaning

- Be alert to risks from hot water, steam, cleaning agents and slippery floors.
- If you are not permitted to be present during cleaning, inspect everything possible afterwards.

After cleaning

- Make sure you have checked everything before leaving the cleaning station premises.
- Please note: once you have signed the cleaning certificate, the cleaning station will assume that you have accepted the cleaning as correctly performed. It will then no longer be possible to raise objections.
- Always allow the loading unit to air out. This is especially important at low outside temperatures to prevent condensation.

Top inspection:

Start the inspection at the top of the silo container and work from front to back. The following points must be checked thoroughly:

- Manhole covers and gaskets
- Blanking caps and vacuum valve
- Check that the gaskets are still correctly positioned and clean

If everything is clean and dry, close the covers, install the TIR cable at the top and lower the remaining TIR cable along the air line.



Rear inspection:

- Air line
- Discharge cone / fluidising ring / product valve / non-return valve and blanking caps
- Check that the gaskets are still correctly positioned and clean
- Discharge box, if fitted
- Install the TIR cable at the rear if everything has been cleaned satisfactorily.

Certificate check:

1. Load unit details (tank/silo/container number)
2. Product type (Food/non-food/chemical)
3. Previous load
4. Cleaning procedures
5. Additional services
6. Previous loads
7. Seal numbers
8. Date and time in/out
9. Signature of cleaner/cleaning station

EFTCO European Cleaning Document **ATCON**

www.eftco.org NL ATCN06578948 www.atcon.nl

ts tank cleaning service

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2 Referentie, klant / Customer reference number* 7-000354398

3 Volger / Serial number 437452

4 Klant / Customer Van den Bosch Transport B.V.
HOOGWIEN 10-12
5480 EM ERP
NETHERLANDS

5 Identificatie / Identification numbers Voertuig / Vehicle 1
Tank, Container, IBC / Tank, Container, IBC
1227 OH-7B-TK

6 Producten / Products of product* 2
Food

7 Volgende lading / Next Load* 3

8 Laatste lading / Previous load 4

9 Reinigingsprocedures / Cleaning Procedures EFTCO Code / Omschrijving / Description*
Comp. UN N° Naam / Name
1 CORN STARCH P10.C10.P10
2
3
4
5
6
7

10 Aanvullende werkzaamheden / Additional Services
Comp. 1 x P30 1 x E50
1 x E90 1 x E50
1 x E90 5

11 Opmerkingen / Comments 6
Seals a70761, a70762, a70763, a70764, a70765, a70767, a70768, a70769, a70770 7
Prev. product: CORN STARCH, CORN STARCH

12 Naam reiniger / Name cleaner* 8
Jeroen van der Boven Datum, Tijd in / On In* 22-10-2018 08:20:00
Datum, Tijd uit / On Out 22-10-2018 08:38:00

14 Tankreinigingsstation / Cleaning Station Tank Cleaning Sint-Oedenrode
Naam / Name Jeroen van der Boven
Handtekening / Signature 9

15 Chauffeur / Driver*
Naam / Name
Handtekening / Signature



Important points:

- The procedure must correspond with the information in the onboard computer. If the codes are not listed, the work has not been performed and this will usually result in rejection by the loading address.
- The hoses, discharge elbow and non-return valve must be checked particularly carefully, because product frequently remains in the non-return valve and in the vacuum valve.
- Ensure that no water remains in the air lines or air distribution block.
- Check the couplings and coupling box, including those on the truck.



- Sealing must be carried out using the TIR cable, which must be passed crosswise through all covers, caps, vent valves and discharge valves. See: Silo Sealing Procedure.
- Please note: always leave the vent valve open after cleaning so that the silo cannot develop a vacuum while cooling. Use the insect filter to prevent insects from entering the silo.





- Store the cleaned couplings and discharge elbow correctly. Also check the operation and cleanliness of the non-return valve in the discharge elbow.



- Hoses cleaned and dry, blanking caps fitted, and hose tubes cleaned.

