



TC 331 tank 1-year inspection checklist

Form Number:NEE-FRM-010

Revision: 0

Page 1 of 2

Date: _____

Inspected by: _____

Tank Owner: _____

Phone #: _____

Address: _____

Unit #: _____

Tank Manufacturer: _____

Serial #: _____

Tank Spec: _____

MFG Date: _____

Shell Material: _____

Comp. Sizes: _____

Original Test Date: _____

M.A.W.P.: _____

Test Pressure: _____

Tests Performed: V K Hose Test

Next 5-year inspection: _____

Tank and attachments must be clean prior to inspection

Working from Heights policies are in effect

External Visual "V"

-Inspect data plate [12.2] (legible, permanently affixed, has all information required in 12.2)

Pass___ Fail___ N/A___

-Inspect tank inspection decals [12.2] (verify what tests are required, 1 year or 5 year)

Pass___ Fail___ N/A___

-Inspect tank bulk heads and shell [12.2] (Check for corrosion, dents, distortions, defects in welds, leakage, damage indicating weakness in the tank that could render it unsafe for transport, voids on bottom of tank are not capped and show no signs of leakage.)

Pass___ Fail___ N/A___

-Inspect fenders and attachments [12.2] (Ladder/drop hose compartments latch, cracks, damage to fenders or mounting)

Pass___ Fail___ N/A___

-Inspect bumper / rear end protection [12.2] (Securely mounted, welds, damage, correct dimensions, distance between widest part of rear of vehicle and outward edge of bumper does not exceed 18" distance between bottom of bumper and ground is less than 30" when empty.)

Pass___ Fail___ N/A___

-Inspect rear tank sills/frame [12.2] (damage, welds)

Pass___ Fail___ N/A___

-Inspect placards (correct product, legible, all 4 present)

Pass___ Fail___ N/A___

-Inspect tank mounts [12.2] (unable to loosen with wrench, welds on brackets, condition of sill fil material [wood/rubber etc.])

Pass___ Fail___ N/A___

-Inspect underslung boxes [12.2] (hydraulic leaks, fitting/flange leaks, gaskets, pump/meters securely mounted, all valves/air switches work correctly, grasshopper springs)

Pass___ Fail___ N/A___

-Inspect slam latches/door safety latches [12.2] (all latch correctly)

Pass___ Fail___ N/A___

-Inspect cabinet doors (damage, seal properly when closed)

Pass___ Fail___ N/A___

-Inspect all air switches (make sure all switches work)

Pass___ Fail___ N/A___

-Inspect emergency switches (verify operation of all)

Pass___ Fail___ N/A___

-Inspect underneath tank [12.2] (dents, corrosion, leaks,ISC vics, cracks on outriggers/cross members, make sure voids are not capped, pipes for dents/rubbing, hydraulics, excessive play in PTO shaft) Check or shear section on Outlet valve)

Pass___ Fail___ N/A___

-Inspect on top of tank [12.2] (dents, corrosion, fall protection functions (if equipped), anti-slip grating insecure or wearing tank, obvious signs of leakage,

Pass___ Fail___ N/A___

Leakage Test "K"

Test Pressure _____

Dedicated service, the test pressure shall be the maximum normal operating pressure of the tank,

MC 330, MC 331 or TC 331 in LPG or NH3 service shall be tested at no less than 60 PSI.

- Pressure test compartment and all associated,

- Spray with soapy water all welds pipe connections, meter and pump equipment for signs and observe for signs of leaks.

TANK [12.5] Pass___ Fail___ N/A___

PIPING [12.5]

Pass___ Fail___ N/A___

PUMP [12.5] Pass___ Fail___ N/A___

METER [12.5]

Pass___ Fail___ N/A___



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Emergency Discharge Control [12.2]

Pass__ Fail__ N/A__ Page 2 of 2

- TC 331 tanks that transport liquefied compressed gas (LPG) are required to have Emergency discharge controls, except designed to transport Class 2.2, non-flammable and non-toxic gases.
-Tanks that are 13,250L or less, equipped for metered Service, need an off-truck emergency shutdown system.
-Tanks that are 13,250L or more, equipped for metered service, will need either a monitoring feature or a passive emergency shutdown system in addition to an off-truck emergency shut down system.
-The system will be tested at the time of inspection,
-With product running at normal flow rate throughout the metering system, activate the off-truck Emergency shutdown system (normally this would be a BASE Engineering product). Observe the meter to determine how long it takes to stop the product flow. The meter should stop the flow and close the ISC within 30 seconds or sooner. No meter creep after 5 seconds.
-The same process for testing the Emergency Discharge Controls shall be used on both ON and OFF truck applications.
-The emergency shut down system shall function reliably at a distance of 46 m (150ft) and
-When the Emergency shutdown has been activated, the ISC can't be reactivated remotely.
-Indicate results on Test and Inspection Report (Form No: NEE-FR-L-007).
-For non-metered tanks, all ISC valves shall be open. Each emergency discharge control remote actuator (on- truck and off truck) shall be operated to ensure each ISC valve indicator has moved to the closed position. Once all ISC valves are closed, all of the material in the downstream piping shall be evacuated, and the piping shall be returned to atmospheric temperature and pressure. The outlet shall then be monitored for 30 seconds to ensure that there is no detectable leakage.

Hose Test [12.2 & 12.9]

-Perform visual inspection of all hoses (look for kinks, exposed re-enforcement, damaged ends, gaskets)

Pass__ Fail__ N/A__

-Pressure test all hoses (hold pressure for 5 minutes)

Pass__ Fail__ N/A__

Hose I.D. : _____
Test Press. : _____
(Test/MAWP)
Test Medium : _____

Fail Items

Failure Corrected

Table with 2 columns: Fail Items and Failure Corrected. Each row contains a blank line for notes and a pair of checkboxes (Y__ N__).

ONLY AFTER SUCCUSSFEUL TEST WILL MARKINGS BE APPLIED

Has inspection sticker been applied to tank? Y__ N__

(Sticker must be affixed Driver-side front of the barrel and clearly visible)

Has B620 test and inspection report been filled out? Y__ N__

** Take picture of Data Plate and attach to NEEI copy of Inspection Report**