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Home Heating Tank Best Practices



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Day Tank Installation Codes

- Day Tanks **MUST** be installed by licensed Oil Burner Technician.
- TSSA comprehensive inspection and tank inspection report must be done by a licensed Oil Burner Technician.
- CAN/CSA B139-00 Installation Code for Oil Burning Equipment with Ontario Amendments.
- Installations must comply with National Fire Code Of Canada- Part 4 Flammable and Combustible Liquids.
- Day Tanks must be ULC approved.

Proper Installation of Day Tanks

- Tank should be on a concrete slab/ patio blocks.
- Tank should be no more than 12 inches off the ground.
- Tank supports must be able to withstand two hours worth of fire
- Tank should be situated so that all four sides can be visually inspected.
- Tank should slope towards filter.
- Tank should be protected from vehicular impact. where necessary.
- Tank **MUST** be situated at least 1.5 metres away from any window or doorway

Proper Installation of Day Tanks (Cont'd)

- An above ground tank shall be installed on a rigid non-combustible* supports constructed of materials having fire resistant rating of not less than 2 hr or installed on pressure treated wood material under tank legs or cradles, provided that it is below grade and in contact with the ground (the top surface may be exposed); and securely supported to prevent: Settling, sliding, toppling, or lifting by means other than piping. A tank that can be exposed to wind shall be secured against toppling. A tank that can be exposed to flooding shall be secured against lifting.

Proper Installation Of Day Tanks (Cont'd)

CSA B-139

- Tanks shall not impede of egress from a building

Note: Means of egress are considered to be unimpeded if minimum clearance of 1.5 metres (5 feet) exists between all parts of the tank and the edges of adjacent building openings (such as doors or windows) and exit ways (such as corridors, passages, lanes, stairways, and ramps).

Tank needs to sit on a concrete slab and tank stand must be able to withstand two hours of being on Fire



Tank is Settling Into Sand - Tank was not put on a concrete slab as it should be per code



Tank can not be on a wood stand, tank can not be any higher than 12 inches off the ground. Pallets must be removed, they are a fire hazard. Roof must be able to withstand snow load.



Roof collapsed from snow load.



Stand is Shifting Causing Stress
on Pipe. Tank is leaking at valve due to stress from tank
shifting



Tank Could Easily Fall Over



Wood is Not Allowed Tank is ready to Fall Over



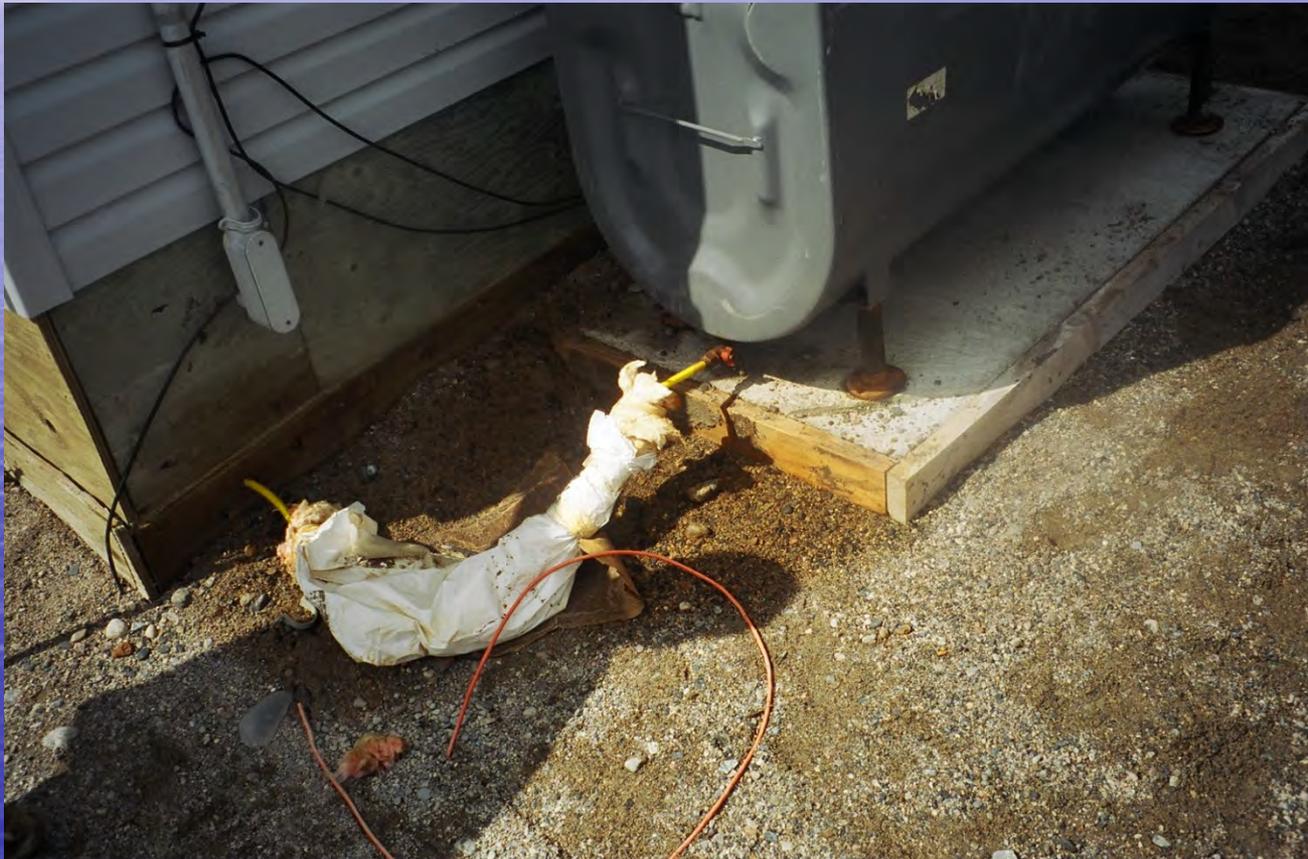
Tank is Ready to Fall Over



Weeds Promote Moisture Causing Tank to Rust



Spill Occurred From
Over Filling. Yellow fuel line should only be used for
Propane. Proper double walled fuel oil copper line is
orange-red in color and should only be used.



Unstable Wood Stand



Tank Has to be 1.5 metres Away
From Doorways or Windows. Tank can not be on a wooden
stand. Tank can be no higher than 12 inches off the ground



Tank Has to be 1.5 metres Away From Doorways or Windows



Sweat on Plumbing Fittings and copper water pipe is Not Allowed



Tank Should be Sitting on Concrete Slab or Sidewalk Slabs



Proper Installation



Proper Tank Install With Bracket to Prevent Tank From Tipping Over



Proper Tank Install But too Close to Door



Tank needs to be on a concrete stand. Tank needs to be moved closer to the house.



2007.05.02

Tank stand can not be made out of wood

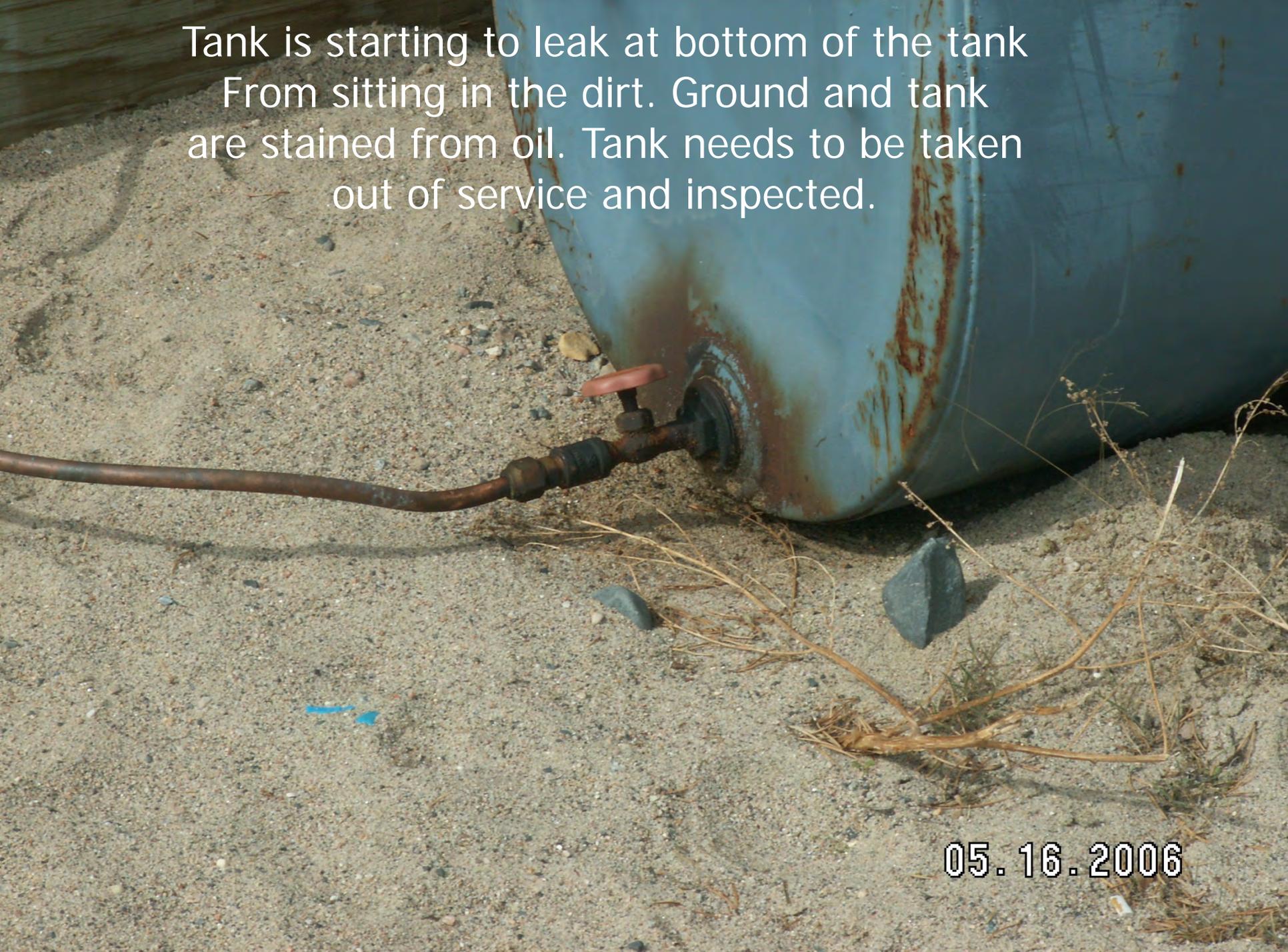


05.30.2006

Tank can not be on a wooden stand, tank can be no more than 12 inches off the ground. This tank is starting to leak at the front of the tank at the bottom. Wood and ground are stained with Oil. Tank must be pumped out and taken out of service and replaced.



Tank is starting to leak at bottom of the tank
From sitting in the dirt. Ground and tank
are stained from oil. Tank needs to be taken
out of service and inspected.



05.16.2006



Tank can not be on a wood stand. Tank must be 1.5 meters away from windows or door ways 06

Tank can not be covered up, you must
Be able to visual inspect all four
Sides. Stand can not be made out
of wood.



09.28.2006

Tank can not be located under
a stairway



Tanks must be 1.5 meters away from doorways

Tanks can not sit on wood unless the wood is below grade and is pressure treated



Proper tank installation. Tank is double
Walled ULC approved and meets CSA B-139
Legislation

