

**School Name:**

## **Diesel Engines with Day Tank or Elevated Tank**

The following checklist has been prepared to be used as a minimum guideline for inspections. It will not replace the Regulation or the Code. Users are instructed to refer to the Code and Regulatory requirements.

		<b>Supply Tank</b>	<b>Auxiliary Tank</b>
1	Type of Tank (i.e. ULC, ASME, API, etc.):		
2	Manufacturer:		
3	Date of Manufacture or Age in Years:		
4	Serial No:		
5	Capacity:		
6	Has the installer tagged the installation as per section 18 of O. Reg. 313/01?	Yes No N/A	Yes No N/A
7	Are the underground tank(s) registered with TSSA? Registration #	Yes No N/A	
8	Have any variances been applied for on this site? Variance Number #	Yes No N/A	
9	Is the entry of the fill pipe outside of the building? 6.12.5	Yes No N/A	
10	Is the fill pipe opening located away from building openings? 6.12.6	Yes No N/A	
11	Is the fill/vent pipe steel or of galvanized construction? 8.3.1.2	Yes No N/A	Yes No N/A
12	Is the fill pipe installed lower than 13ft or is the vent lower than 13.5ft from the bottom of the tank? 6.12.1, 6.13.1.8	Yes No N/A	Yes No N/A
13	Is the fill pipe at least 50mm (2") diameter? 6.12.4	Yes No N/A	
14	Is the fill pipe free from obstructions such as valves? 6.12.3	Yes No N/A	
15	Is the vent pipe sized properly? 6.13	Yes No N/A	Yes No N/A
16	Are all vents of the tank(s) including emergency vents piped to open air outside of the building? 6.13	Yes No N/A	Yes No N/A
17	Are the vent pipe terminations installed away from building openings? 6.13.1.8	Yes No N/A	Yes No N/A
18	For integral tanks, are vent & fill pipes installed out of the enclosure as per sections 6.14.1?	Yes No N/A	Yes No N/A
19	Is the tank approved for its present use? 6.3.2	Yes No N/A	Yes No N/A
20	If required, is the tank protected from vehicle damage? 6.5.10 or 6.8.3.1	Yes No N/A	Yes No N/A

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21	Does the tank meet location requirements under section 6.8.1.3?	Yes	No	N/A	Yes	No	N/A
22	Is the tank system supported on a firm base? 6.3.1	Yes	No	N/A	Yes	No	N/A
23	Is the tank supports in good condition, non-combustible and stable? 6.4.6	Yes	No	N/A	Yes	No	N/A
24	If the steel supports or legs are higher than 12 inches, are they protected by materials having a 2-hour fire rating? 6.4.6	Yes	No	N/A	Yes	No	N/A
25	Is an approved filter installed with a temperature rating above 540°C (1000°F)? 8.1.1 & 8.1.2	Yes	No	N/A	Yes	No	N/A
26	Is a suitable fusible link automatic oil shut off valve installed as per 8.4.3.1	Yes	No	N/A	Yes	No	N/A
27	Is the installation of piping & tubing in solid floorings done in accordance to 8.3.5?	Yes	No	N/A	Yes	No	N/A
28	Are the flex hoses approved? 8.3.14	Yes	No	N/A	Yes	No	N/A
29	Are the piping & tubing supported according to 8.3.1.5	Yes	No	N/A	Yes	No	N/A
30	Are the piping & tubing protected according to 8.3.1.9?	Yes	No	N/A	Yes	No	N/A
31	Are the metallic piping and tubing in direct contact with backfill provided with corrosion protection as per 6.11.11.4?	Yes	No	N/A	Yes	No	N/A
32	Are all fittings & joints fuel tight? 8.3.4	Yes	No	N/A	Yes	No	N/A
33	Is there any piping or fittings installed in vents, shafts, etc.? 10.3.3	Yes	No	N/A	Yes	No	N/A
34	Are concealed piping & fittings installed in vents, shafts, etc.? 10.3.4	Yes	No	N/A	Yes	No	N/A
35	Is the generator exhaust venting as per engineering drawings and Code? 4.2.3.	Yes	No	N/A	Yes	No	N/A
36	Has air for ventilation & combustion been installed for the generator? 4.4 to 4.4.1.5	Yes	No	N/A	Yes	No	N/A
<b>Auxiliary tanks installed above 50 feet</b>							
37	Are the level sensors operational? 10.2.3				Yes	No	N/A
38	Is a suitable oil relief valve installed at the pump set? 10.2.4				Yes	No	N/A
39	Is a low-pressure sensing device installed and interlocked with the pump? 10.2.2				Yes	No	N/A

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40	Is an anti-siphon device installed on the supply tank if the auxiliary tank is filled through the top by a pump? 6.12.7	Yes No N/A	Yes No N/A
41	Where the venting of an auxiliary supply tank (day tank) is through the overflow pipe a) For new installations was the system tested to ensure that the vacuum in the tank does not exceed the 300Pa and the pressure does not exceed 7kPa as per ULC S602 when the fuel is overflowing? – 6.13.2.1		Yes No N/A
	b) For existing installations, has the owner of the equipment verified compliance, i.e., a copy of the test?		Yes No N/A
42	If the day tank is vented to the outdoors, is an approved redundant system installed? 6.13.2.1		Yes No N/A
43	Is the tank installed above the lowest storey not exceeding individual capacity of 1250 L or an aggregate capacity of 2500 L? 6.5.6	Yes No N/A	Yes No N/A
44	Is pressure testing of the enclosed supply tank(s) installed inside the building over 2500 L (550 gal) as per 6.6.1?	Yes No N/A	Yes No N/A
45	For tanks over 2500 L, is it equipped with an anti-siphon device? 6.8.2.2	Yes No N/A	Yes No N/A
46	Is the condition of the tank acceptable?	Yes No N/A	Yes No N/A
47	Is the condition of the piping acceptable	Yes No N/A	Yes No N/A
48	Is the installation and condition of the generator and the generator exhaust acceptable?	Yes No N/A	Yes No N/A

Comments:

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Technician: \_\_\_\_\_

Signature: \_\_\_\_\_

Certificate Number: \_\_\_\_\_

Company: \_\_\_\_\_

Contractor Reg. No: \_\_\_\_\_

Date: \_\_\_\_\_