



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: January 2017

Incorporated in Rule 62-762.851, F.A.C.

Storage Tank Equipment Registration Form

Fill out completely

General Information

Company Name: Caterpillar Contact Name: Jo Liang
Company Address: 100 NE Adams St City: Peoria Zip: 61629
E-mail: Laing_Jo@cat.com Contact Number: 404-661-5956
Product Name: 559-5278 Caterpillar sub-base dual-wall diesel fuel storage tank
Model Number(s): FSBTJ48 Product Type: AST
Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested: _____

Write a brief description of equipment registration request including product limitations:

Emergency generator set UL-142 listed dual-wall sub-base diesel fuel tank, 777-gallon capacity, Caterpillar feature code FSBTJ48.

Information Checklist

- | | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Third-party Certification by a Nationally Recognized Testing Laboratory? | ☒ | ☐ | ☐ |
| 2. Documentation of third-party evaluation that the equipment meets DEP Rules? | ☒ | ☐ | ☐ |
| 3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory? | ☒ | ☐ | ☐ |
| 4. Installation instructions included? | ☐ | ☒ | ☐ |
| 5. Technical information and drawings included? | ☒ | ☐ | ☐ |
| 6. Annual Operability Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702 F.A.C.)? | ☐ | ☐ | ☒ |
| 7. Compatible with fuel blends containing >10% ethanol or >20% biodiesel? | ☒ | ☐ | ☐ |
| 8. Has the product been approved or registered in other countries or states? (If so provide list) | ☒ | ☐ | ☐ |
| 9. Any requirements for company-certified installers or trainers? | ☐ | ☒ | ☐ |
| 10. Was this product(s) previously approved or registered by the Department? | ☐ | ☒ | ☐ |
| If yes, please specify the Equipment Number: <u>EQ-</u> _____ | | | |
| 11. Any changes or modifications to the equipment since the last submittal to DEP? | ☐ | ☒ | ☐ |

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@dep.state.fl.us, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

Caterpillar dual wall sub-base tanks are UL Listed and constructed in accordance with UL Standard for Safety UL 142, Steel Aboveground Tanks for Flammable and Combustible Liquids and Canada CAN/ULC S601, Standard for Shop Fabricated Steel Aboveground Horizontal Tanks for Flammable and Combustible Liquids.

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Eric Williamson Advance Electrical Services
Printed Name and Title

Eric Williamson
Signature

6-24-2022
Date

For Department Use Only:

Date Application Received: 07/08/2022 Application complete: Yes: ☒ No: ☐

EQ- 978 Date of complete or incomplete letter sent: 07/08/2022 Date of entry to the DEP Equipment Registration List: 07/08/2027



Special-purpose Tanks

CATERPILLAR INC
560 REHOBOTH RD
GRIFFIN, GA 30224-7618 United States

MH25524

Closed top diked generator base tanks

Secondary containment generator base tanks

Last Updated on 2021-12-14

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Image shown may not reflect actual configuration

C4.4 and C7.1 Sub-base Fuel Tanks

Diesel Generator Set
80 – 200 kW 60 Hz

Features

- UL Listed for United States (UL 142) and Canada (CAN/ULC S601)
- Facilitate compliance with NFPA 30 code, NFPA 37 and 110 standards and CSA C282 code and B139-09 standard
- Welded, heavy steel gauge construction with a containment basin sized as a minimum 110% of the tank
- Gloss black polyester triglycidyl isocyanurate (TGIC) powder coating
- Dedicated external customer interface area with access to the 4" (101.6 mm) fuel fill, visual level gauge, normal and emergency vents
- Rear electrical stub-up area with removable access panel
- Removable engine supply and return dip tubes
- Two additional 1" (25.4 mm) ports for customer use
- Tanks are rated to safely support the weight of the generator
- 8 gal (30.3 L) drip pan for oil and coolant (for generator sets up to 60 kW only)
- Standard NPT tank fittings
- UL listed emergency vents sized as per UL standards 3" (76.2 mm), 4" (101.6 mm), and 5" (127 mm) NPT
- Normal atmospheric vent 1-1/4" (31.75 mm)
- Top-mounted fuel level sensor with control panel alarms
- Top-mounted leak detection switch
- Lockable fuel fill cap, 4" (101.6 mm) NPT

Description

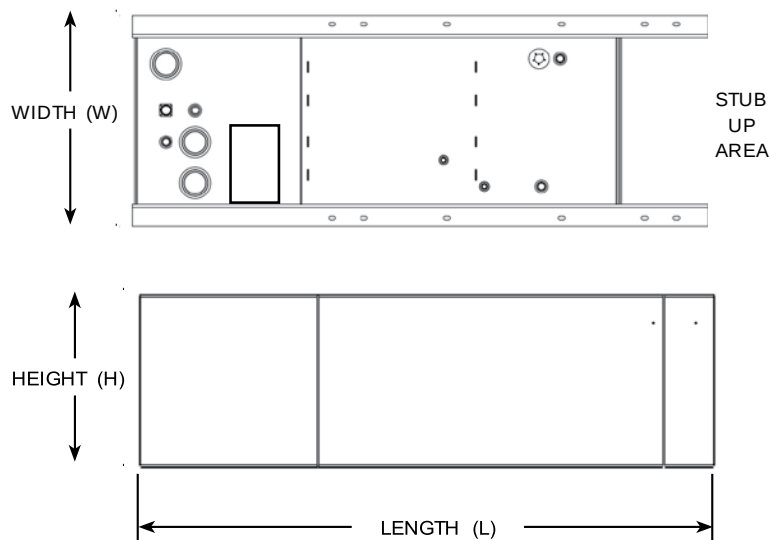
- Dual wall, secondary containment
- Pressure tested to UL requirements
- Fuel tank mounts directly below generator skid base
- Modular tank design is compatible with all factory units open and enclosed

Options

- Emergency vent and normal vent extension kits 12' (3.66 m)
- 5 gal (18.9 L) spill containment
- Overfill prevention valve
- Tank riser to allow for visual secondary containment leak inspection
- Drop tube

C4.4, and C7.1 Sub-base Fuel Tank Dimensions and Capacities

Engine Model	Tank Feature Code	Generator Set Rating kW	Est. Run Time hrs	Fillable Capacity		Usable Capacity		Vent	Length 'L'		Width 'W'		Height 'H'		Weight (Dry)	
				L	gal	L	gal		mm	in	mm	in	mm	in	kg	lb
C4.4	FSBTC24	80 100	30 25	793	209	733	194	3	3447	135.7	1000	39.4	485	19.1	526	1160
	FSBTD48	80 100	58 49	1492	394	1432	378	4					835	32.9	739	1629
C7.1	FSBTI24	125 150 175 200	40 35 29 27	1520	402	1495	395	4	4035	158.9			647	25.5	720	1587
	FSBTJ48	125 150 175 200	78 68 57 52	2940	777	2918	771	5	5035	198.2			933	36.7	1145	2524



Note: For reference only – do not use for installation design.
Please contact your local dealer for exact dimensions.

Tanks are UL Listed and constructed in accordance with UL Standard for Safety UL 142, Steel Aboveground Tanks for Flammable and Combustible Liquids and Canada CAN/ULC S601, Standard for Shop Fabricated Steel Aboveground Horizontal Tanks for Flammable and Combustible Liquids.

Fuel tanks facilitate compliance with the following United States NFPA Code and Standards:

- NFPA 30: Flammable and Combustible Liquids Code
- NFPA 37: Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines
- NFPA 110: Standard for Emergency and Standby Power Systems

Fuel tanks facilitate compliance with the following Canadian Standard and Code:

- CSA C282 – Emergency Electrical Power Supply for Buildings
- CSA B139-09 – Installation Code for Oil-Burning Equipment