



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

B009795

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: DECEMBER 2007

OWNER OF OPERATOR (Co.#1712)

Blastco Inc
5514 East Hampton Dr
Houston, TX 77039

EQUIPMENT LOCATION (Fac.#2914)

Blastco
Parker Dam
Parker Dam, CA 92267

Description:

DIESEL PORTABLE IC ENGINE WITH INTEGRAL DUST COLLECTOR consisting of: Year of MFR 2005

One John Deere, Diesel fired internal combustion engine Model No. 5030HF27D and Serial No. PE5030H062750, Turbo Charged, producing 99 bhp with 5 cylinders at 2400 rpm while consuming a maximum of 0.0 lbs/hr. This equipment powers a Vector Other Model No. DC-20 and Serial No. 8167AT27J30H5232, rated at 20,000 CFM.

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 17 CCR 93116.4(c)(2)(A)].
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) a weight per weight basis per CARB Diesel or equivalent requirements.
4. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 17 CCR 93116.2(bb)]

Fee Schedule: 1 (b)

Rating: 99 bhp

SIC: 3441

SCC: 20200102

Location/UTM(Km):
750E/3785N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Eldon Heaston
Air Pollution Control Officer

5. The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of five (5) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

6. The o/o of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4 (a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 17 CCR 93116.4(f) for details.

7. Prior to January 1, 2010, this portable diesel-fueled engine (unit) or its replacement engine shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 17 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). Unless this unit is used exclusively for emergency applications or qualifies as a low-use engine (operates 80 hours or less per calendar year) and the owner/operator (o/o) commits to replacing this engine with a Tier 4 engine. (Tier 4 engines are phased in for engines manufactured beginning in 2011). (Title 17 CCR Section 93116.3(b)(1))

8. The o/o of this unit must submit a Status Report for the entire fleet* by March 1, 2011. This Status Report should include, but not limited to the following, for details see Title 17 CCR 93116.4(e)(1):

- a. The fleet's weighted average PM emission rate for the 2010 calendar year,
- b. Inventory of portable engines in the fleet,
- c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
- d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
- e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
- f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January, 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
- g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),

* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable units(s).

9. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by Title 17 CCR 93116.4(c)(3) by January 1, 2012.

10. The fleet* under control of the o/o is subject to and shall comply with the weighted Diesel Particulate Matter (DPM) emission fleet averages ** expressed as grams per brake horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c) & (d) by the following dates:

Compliance Date Weight DPM (g/bhp-hr)

January 1, 2013 0.30

January 1, 2017 0.18

January 1, 2020 0.04

* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable units(s).

** The method used to calculate the Fleet Average is found in Title 17 CCR 93116.3(d).

11. The o/o of this unit must submit a 'Statement of Compliance' signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information; see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weight DPM Emission Fleet Average Date Submitted by

January 1, 2013 March 1, 2013

January 1, 2017 March 1, 2017

January 1, 2020 March 1, 2020

12. This unit is subject to and must comply with applicable requirements of the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (Title 17, CCR 93116). In particular this unit must comply with Title 13 CCR 2423 by January 1, 2010.

13. THE FOLLOWING CONDITIONS APPLY TO THE DUST COLLECTOR PART OF THE INTEGRAL SYSTEM, DESCRIBED AS: Vector, Model DC-20 Pulse Jet Type, Dust Collector, with 70 cartridge filters, each with an area of 45 sq ft, an Air-to-Cloth Ratio of 6.35 to 1. Device has a flow rating of 20,000 CFM @ 12 in Wg.

14. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for two (2) years a log of the following information, which shall be provided to District personnel upon request:

- a. Weekly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);
- b. Quarterly cartridge and cartridge suspension system inspection date and results;
- c. Date of cartridge replacements; and,
- d. Date and nature of any system repairs.

15. The owner/operator (o/o) shall maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.

16. This dust collector shall operate concurrently with abrasive blasting operations operating under valid District permit A009787.

17. This dust collector shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.

18. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

19. The o/o shall maintain on-site a minimum inventory of replacement cartridges that assures compliance with these conditions.

20. Dust collected in the Baghouse shall be discharged only into closed containers.

21. A mechanical gauge shall be maintained so as to indicate, in inches of water column, the static pressure differential across the bags.