



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

B009510

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: JANUARY 2012**

**OWNER OF OPERATOR (Co.#353)**

Graham Equipment Co  
17109 Eureka Street  
Victorville, CA 92392

**EQUIPMENT LOCATION (Fac.#1019)**

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17109 Eureka Street  
Victorville, CA 92392

**Description:**

DIESEL IC ENGINE, GENERATOR consisting of: Year of Manufacture - about 1962. Equipped with a catalytic converter and powering the aggregate plant under permit B002286

One Caterpillar, Diesel fired internal combustion engine Model No. D333 and Serial No. 58B4102, producing 135 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 4.0 gal/hr. This equipment powers a Generator Model No. and Serial No. , rated at 100 kw.

**EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	8.5	gm/bhp-hr
HC	1.1	gm/bhp-hr
NOx	6.9	gm/bhp-hr
PM10	0.7	gm/bhp-hr

**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

Fee Schedule: 1 (b)

Rating: 135 bhp

SIC: 1442

SCC: 20100102

Location/UTM(Km):  
474E/3818N

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

2. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal 0.0015% or 15 ppm per CARB Diesel or equivalent requirements. (17 CCR \S93115(e)(1)(A))
  
3. The Diesel Particulate Matter (DPM) emissions from this diesel ICE must be vented to a MINE-X model DC12-5 Catalytic Converter manufactured by DCL International. (17 CCR \S93115(e)(1)(D)1.c.)
  
4. The Diesel Particulate Matter (DPM) emissions emitted by this diesel ICE shall be equal to or less than 0.01 g/bhp-hr, on or before July 1, 2011. (17 CCR \S93115(e)(1)(D)1.c.)
  
5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. (17 CCR \S93115(e)(4)(G)1.)
  
6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of three (3) years, with records keep on-site of two (2) years 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. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
  - c. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
  - d. Measure and record the backpressure across the Mine-X Catalytic Converter every 3 months or 1,000 hours of operation, whichever comes first.
  - e. Engine hours when maintenance was done on the engines and on the Catalysts.
  
7. The oxides of nitrogen (NO<sub>x</sub>), hydrocarbon (HC), and carbon monoxide (CO) emissions from this diesel ICE must comply with either Tier 1 requirements or no more than a 10% increase from the inlet to the Catalytic Converter. The Tier 1 emission limits are as follows:  
NO<sub>x</sub> 6.9 g/bhp-hr  
HC 1.1 g/bhp-hr  
CO 8.5 g/bhp-hr  
(17 CCR \S93115(e)(2)(D)2.)
  
8. When the backpressure increases by more than 75 mm (3 w.c.) over the initial measurement of condition #7, or if backpressure exceeds the maximum allowed by the engine manufacturer, cease use of this engine and remove and clean the catalytic converter per DCL International s instructions.
  
9. A rebuild of this unit (or identical block) does not constitute a modification, so long as the model and rating are not changed. The o/o must notify the District in writing of any serial number change that results from a rebuild or identical replacement.
  
10. This diesel fired ICE is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115). In the event of conflict between these Conditions and the ATCM, the requirements of the ATCM shall govern.
  
11. The facility must submit accurate criteria and toxic emissions inventory data to the District, in a format approved by the District, on a yearly basis, which is to be received by the District no later than April 30 of each year.