



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B010701

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2018

OWNER OF OPERATOR (Co.#450)

Induction Technology Corporation - Adelanto
9924 Rancho Road
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac.#1123)

Induction Technology - Adelanto
9924 Rancho Road
Adelanto, CA 92301

Description:

DIESEL IC ENGINE, (LOW USE) PORTABLE COMPRESSOR consisting of: Y.O.M is 2000, EPA Tier 1, Engine Family Name YJDXL06.8016, PM Emission rate 0.22 g/bhp-hr

One John Deere, Diesel fired internal combustion engine Model No. 4045DF150B and Serial No. T04045D842790, producing 80 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4.0 gal/hr. This equipment powers a Sullair Compressor Model No. 185 and Serial No. NULL, rated at NULL.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
NOx	6.9	gm/bhp-hr
PM10	0.4	gm/bhp-hr
SOx	0.006	gm/bhp-hr
VOC	1.0	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: 80 bhp

SIC: 3479

SCC: 20200102

Location/UTM(Km):
463E/3825N

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 diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements.

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

5. This engine shall not be operated for more than 20 hours in any calendar day and no more than 80 hours per calendar year. Should an exceedance of the annual hour limit occur the equipment becomes immediately subject to the requirements of the fleet emission standards found in 17 CCR section 93116.3(c) in the year such exceedance or use occurs.

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, 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).

7. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

Fleet Standard Compliance;

Engines <175 bhp	Engines >175 to 749 bhp	Engines >750 bhp
Date (g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)
1/1/2013	0.3	0.15
1/1/2017	0.18	0.08
1/1/2020	0.04	0.02

Fleet is defined in Title 17 CCR Section 93116.2(16).

8. 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:

Weighted DPM Emission Fleet Average	Date Submit by
January 1, 2013	March 1, 2013
January 1, 2017	March 1, 2017
January 1, 2020	March 1, 2020

9. This certified low-use portable diesel-fueled engine shall satisfy one of the following requirements by January 1, 2020:
 - (A) the portable diesel-fueled engine is certified to Tier 4 emission standards for newly manufactured nonroad engines; or
 - (B) the portable diesel-fueled engine is equipped with a properly functioning level-3 verified technology; or
 - (C) the portable diesel-fueled engine is equipped with a combination of verified emission control strategies that have been verified together to achieve at least 85 percent reduction in diesel PM emissions.

10. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more

stringent requirements of the ATCM shall govern.

11. This facility shall emit less than the following on a calendar year basis;

Volatile Organic Compound (VOC) - 20 tons,

Particulate Matter less than 10 microns (PM10) - 12 tons, and

Hazardous Air Pollutants (HAP) - 8 tons per year for any single HAP and 20 tons per year for any combination of HAPs.

Compliance shall be demonstrated annually to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEIR) or other District approved equivalent method. The report shall be submitted to the District no later than April 30 of each year.