



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B015030

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: MARCH 2026

OWNER OF OPERATOR (Co. #3016)

Weldfit, LLC
5650 Brittmoore Road
Houston, TX 77041

EQUIPMENT LOCATION (Fac. #4450)

Weldfit - Various Locations
District Wide
MDAQMD, CA 92392

Description:

NATURAL GAS IC ENGINE, PORTABLE* COMPRESSOR (VARIOUS LOCATIONS IN MDAQMD) consisting of: A prime use, rich-burn, spark ignition internal combustion engine, driving a compressor used for methane prevention and recovery operations. This 400 bhp uncertified engine was manufactured in 2022. Exhaust flow is approximately 1557 scfm at 942 degrees Fahrenheit through a 12.5 foot high by 8 inch diameter stack. This engine is equipped with a Powertherm, Model No. PE2-430, non-selective three-way catalyst.

*Please note, this equipment may be operated at various locations throughout the MDAQMD, however emissions comply with the stationary requirements of District Rule 1160 and 40 CFR 60, Subpart JJJJ.

One Caterpillar, NG fired internal combustion engine Model No. CG137-8 and Serial No. ST800425, After Cooled, Air-To-Fuel Ratio Controller, Electronic Control Module, Four-Stroke Rich Burn, Three-Way Catalyst (also NSCR), Turbo Charged, producing 400 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 2.9724 MMBtu/hr. This equipment powers a TBD Compressor Model No. TBD and Serial No. TBD, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	605.2	lbs/MMscf
NOx	242.1	lbs/MMscf
PM10	6.7	lbs/MMscf
PM2.5	6.7	lbs/MMscf
SOx	1.4	lbs/MMscf
VOC	211.8	lbs/MMscf

Fee Schedule: 1 (c)

Rating: 400 bhp

SIC: 3829

SCC: 20200253

Location/UTM(Km): 485E/3864N

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.

Weldfit, LLC
5650 Brittmoore Road
Houston, TX 77041

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

CONDITIONS:

1.This spark-ignited, internal combustion engine and its associated control device (three-way catalyst) and air-to-fuel ratio controller shall be installed, operated and maintained in strict accordance 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.

[District Rule 1302; 40 CFR 60.4243]

2.This unit shall only be fired on PUC regulated Pipeline quality natural gas fuel.

[District Rules 431 and 1302; 40 CFR 60.4243]

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

[District Rule 1160(E)(1)(a)(ii); 40 CFR 60.4237]

4.The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) 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, location (decimal degrees, xx.xxxxx;yyy.yyyyy), and duration of each use (in hours);
- b. Monthly, calendar quarterly, and rolling twelve (12) month operation in terms of total hours;
- c. Engine maintenance plan, as required in 40 CFR 60.4243(a)(2)(ii);
- d. Records of all maintenance and repair actions performed on the engine, the air/fuel ratio controller, and the three-way catalyst, including date and description;
- e. Results of all engine source tests as required in condition #9; and,
- f. Results of all engine inspections as required in condition #10.

[District Rules 1160 and 1520; 40 CFR 60.4243]

5.The air-to-fuel ratio controller shall be used in conjunction with the operation of the three-way catalyst, and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.

[40 CFR 60.4243(g)]

6.In the event that the three-way catalyst is replaced, the new (replacement) three-way catalyst must be of the same manufacturer and model designation and it must be installed by factory certified personnel. Furthermore, the District must be notified within twenty-four (24) hours of the replacement via email to engineering@mdaqmd.ca.gov.

If the manufacturer or the Model designation of the new (replacement) three-way catalyst is not identical to the original three-way catalyst or if the unit is not installed by factory certified personnel, then the engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 and/or District Rule 1160 within 90 days after the catalyst replacement. The source test results must verify that the engine meets the following maximum emission limits (measured at standard conditions):

- a. NOx: 50 ppmvd (District Rule 1160);
- b. VOC: 0.70 g/bhp-hr (40 CFR 60.4233(e)); and
- c. CO: 2.0 g/bhp-hr (40 CFR 60.4233(e)).

[District Rules 204 and 1160; 40 CFR 60.4243, 40 CFR 60.4244]

7.This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ) and District Rule 1160 - Internal Combustion Engines. In the event of conflict, the more stringent requirement(s) shall govern.

[District Rule 1160; 40 CFR Part 60, Subpart JJJJ]

8.The owner/operator must comply with the following emission standards, as referenced below, over the entire life of the engine. The owner/operator must comply with the emission standards under 40 CFR Part 60, Subpart JJJJ and District Rule 1160(C)(1) over the entire life of the engine. Compliance may be demonstrated by meeting certified manufacturer emission rates, pursuant to (E)(1)(c)(ii).

Maximum Allowable Emission Standards:

- a. NOx: 50 ppmvd (District Rule 1160);
- b. VOC: 0.70 g/bhp-hr (40 CFR 60.4233(e)); and
- c. CO: 2.0 g/bhp-hr (40 CFR 60.4233(e)).

[NOx emission rate is from District Rule 1160, VOC and CO emission standards are from Table 1 to Subpart JJJJ of Part 60]

Documentation from the manufacturer stating that the engine is certified to meet the emission standards must be retained on-site (or at a central location) and shall be provided to District, State and Federal personnel upon request.
[District Rule 1160; 40 CFR Part 60.4233(e) and 60.4245(a)]

9. In order to demonstrate compliance with the emission standards outlined in condition 8, the owner/operator (o/o) shall conduct an initial source test within one hundred and eighty (180) days of startup of this operation. Subsequent performance testing, verifying continued compliance with this limitation, shall be conducted once in every twelve (12) month period, thereafter. The testing shall be conducted in accordance with 40 CFR 60.4244. Testing frequency may be reduced to once in every twenty-four (24) month period upon District approval of test results demonstrating compliance with these emission standards.

The owner/operator must provide a written performance test plan or protocol at least thirty (30) days prior to the test date. The owner/operator must conduct all required compliance/performance tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/performance test date so that an observer may be present. The final compliance/performance test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/performance test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rules 1160 and 1303; 40 CFR 60.4243(b)(2)(ii)]

10. This engine must be inspected at least once each quarter or after every 2,000 hours of operation, whichever is more frequent. An inspection includes any testing, maintenance, and/or other procedures that ensure the engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of District Rule 1160. Records of such inspections must include the following information as a minimum:

- a. Inspection date;
- b. Records of testing, as applicable; and
- c. Records of maintenance.

[District Rule 1160(E)(1)(a)]

11. This engine shall not operate at any one location for more than 3,400 hours in any consecutive 12 month period. Before this limitation can be increased, the facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.

[District Rules 1302, 1303, and 1520]

12. The owner/operator shall notify the District at least twenty-four (24) hours prior to operation of this equipment within the District. Notification must be sent electronically to engineering@mdaqmd.ca.gov. The notification must include:

- a. The permit number;
- b. The location/address where the equipment will be operated and description of the project; and,
- c. The contact information of the owner/operator of the equipment.

[District Rule 204]

13. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. The emissions from these units must be reported under the permitted facilities where the methane emissions prevention and recovery operations occurred.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]