



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B007946

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2018

OWNER OF OPERATOR (Co.#88)

NAWS
429 E Bowen Road - Stop 4014
China Lake, CA 93555-6108

EQUIPMENT LOCATION (Fac.#567)

NAWCWD Test Stands
429 E Bowen Road - Stop 4014
China Lake, CA 935556108

Description:

DIESEL IC ENGINE, LOW USE, HYDRAULIC WINCH (SOUTH RANGE, WEST SUSPENSION TOWER) consisting of: An uncertified (Tier 0) diesel engine manufactured in 1985 with no exhaust after-treatment device installed. No exhaust emissions data is available:

One Cummins, Diesel fired internal combustion engine Model No. HRP and Serial No. 98981, Direct Injected, Turbo Charged, Compression-Ignited, , producing 160 bhp with 6 cylinders at 2200 rpm while consuming a maximum of 8.0 gal/hr. This equipment powers a IDECO Super Duty Other Model No. 5060 and Serial No. TBD, rated at Hydraulic Winch.

CONDITIONS:

1. This equipment 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. [40 CFR 63.6640(a), District Rule 204]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. [Title 17 CCR 93115.10(d), District Rule 204]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the CA ATCM for Stationary CI Engines:
 - a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
 - b. A cetane index or aromatic content, as follows:

Fee Schedule: 1 (b)

Rating: 160 bhp

SIC: 9711

SCC: 20200102

Location/UTM(Km):
450E/3946N

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.

NAWS
Environmental Management Division
China Lake, CA 93555-6108

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

1. A minimum cetane index of 40; or,
2. A maximum aromatic content of 35 volume percent.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.5(a)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and shall include, at a minimum, the following information:

- a. Monthly and consecutive 12 month rolling period operation in terms of fuel consumption (in total hours);
- b. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);
- c. Maintenance and repair actions performed on the engine; and
- d. Records of all performance tests and evaluations.

[40 CFR 63.10(b) and 17 CCR 93115.10]

5. This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ (RICE NESHAP).

[District Rule 204]

6. This engine shall not operate for more than 20 hours in any consecutive 12 month period in order to maintain its low-use designation. Furthermore, this engine shall not be operated within 500 feet of a K-12 school.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.3(j)]

7. This engine shall not operate for more than 100 hours in any consecutive 12 month period in order to maintain its limited use designation.

[40 CFR 63.6675 and District Rule 204]

8. This engine shall be limited to a maximum CO emission rate of 230 parts per million, volume, dry (ppmvd) corrected to 15% O₂ using the procedures outlined in 40 CFR 63.6620. Furthermore, you must conduct an initial performance test to verify the CO emission rate prior to using this engine for normal operations.

[40 CFR 63.6620 and Table 2c(3), 40 CFR 63.6612, and 40 CFR 63.6595]

9. This engine is currently not in compliance with the Carbon Monoxide (CO) emission standards established in 40 CFR 63, subpart ZZZZ, the National Emissions Standards for Hazardous Air Pollutants for stationary Reciprocating Internal Combustion Engines (the RICE NESHAP). It is a violation to operate this engine for any reason other than authorized emissions testing without first installing a retrofit device capable of meeting those emission limits. A Title V Significant Permit Modification Request must be submitted to and adopted by the District prior to installing any control device.

[40 CFR 63.6620 and Table 2c(3), 40 CFR 63.6612, and 40 CFR 63.6595]

10. As authorized in 17 CCR 93115.3(j), this engine is exempt from the emission standards established in 17 CCR 93115.7(b)(1), the Airborne Toxic Control Measure for Stationary Compression Ignition Engines (the Stationary ATCM).

[Title 17 CCR 93115.3(j), District Rule 1320]

11. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.

[District Rule 204]