



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B014358

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2022

OWNER OF OPERATOR (Co.#2623)

Qantas Airways LTD.
18438 Readiness Street
Victorville, CA 92394

EQUIPMENT LOCATION (Fac.#4046)

ComAV - Qantas
18438 Readiness Street
Victorville, CA 92394

Description:

DIESEL IC ENGINE, PORTABLE GROUND POWER UNIT (GPU) consisting of: A certified Tier 3 diesel engine, USEPA Family 7CEXL0540AAB, manufactured in 2007 and equipped with factory-installed emission controls. Exhaust flow is 1829 ACFM at 931 degrees Fahrenheit through a 1.1 foot tall by 4 inch diameter stack. This engine is also registered in the CA PERP under registration number 144641.

One Cummins, Inc., Diesel fired internal combustion engine Model No. QSL9-G2 NR3 and Serial No. 46815197, Direct Injected, Turbo Charged, Engine/Powertrain Control Module, producing 364 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 18.8 gal/hr. This equipment powers a Advanced Power Machinery Ground Power Unit Model No. G150-180S-6-400D and Serial No. 181, rated at 180 kVA.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.461	gm/bhp-hr
NOx	2.763	gm/bhp-hr
NOx+NMHC	2.908	gm/bhp-hr
PM10	0.1119	gm/bhp-hr
PM2.5	0.1119	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.1454	gm/bhp-hr

CONDITIONS:

1. This certified Tier 3 stationary compression-ignited internal combustion engine and it's associated emission control systems shall be

Fee Schedule: 1 (c)

Rating: 364 bhp

SIC: 4581

SCC: 20100102

Location/UTM(Km):
473E/3820N

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.

Qantas Airways LTD.
8000 World Way West
Los Angeles, CA 90045

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

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 air 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(C)(2)(a)]

2. 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) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines. ?

[Title 17 CCR 93116.3(a)]

3. This engine shall not operate outside of the areas noted in Condition #8 without prior written authorization from the District. Furthermore, this engine and its associated equipment cannot be operated at the same location for more than 365 consecutive days. (This system must be moved for a valid business purpose annually.)

[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

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

[District Regulation XIII - NSR]

5. This engine shall not operate for more than 2,080 hours in any consecutive 12 month period. Additionally, this unit shall not operate more than 11 hours per day (midnight to midnight). Before these limitations 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 1320]

6. This engine shall not be operated unless all of the following emission control systems are properly functioning:??

a. Engine Control Module;?

b. Charge Air Cooler; and

c. Turbocharger

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.

[District Rule 1302]

7. 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.xxxx;-yyy.yyyyy), and duration of each use (in hours);? ?

b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;? ?

c. Date of each maintenance action or repair on any equipment noted in Condition #6;? ?

d. Description of each maintenance action or repair on any equipment noted in Condition #6; and?

e. Fuel sulfur concentration as required by condition #2 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).? ?

[District Regulation XIII - NSR]

8. This engine may be relocated throughout this facility in support of operations without prior notification being sent to the District, but shall not be used within 1000 meters of any K-12 school, residence, hospital, or other sensitive receptor.

The ComAV - Qantas facility is defined as the rectangular area bounded by the following points (given in decimal degrees Latitude and Longitude): ?

a. +34.61103, -117.38285;

b. +34.61581, -117.38293;

c. +34.61557, -117.37409; and

d. +34.61105, -117.37403

[District Rule 1302]

9. This USEPA Tier 3 certified engine may not be operated in California on or after January 1, 2025 unless this engine meets one of the

following:

- a. The engine has been designated as low-use, in accordance with Title 13 CCR 2453(p); or
 - b. The engine has been designated as emergency, in accordance with Title 13 CCR 2453(p); or
 - c. The engine has been equipped with a properly functioning level-3 verified technology.
- [Title 17 CCR 93116.3(c)(1)(A)]

In order to designate this engine as low-use or emergency, the owner/operator must submit an application to the District to modify this permit, in addition to submitting a modification to CARB via PERP Form 20 (Application for a Correction or Modification to an Existing Registration) according to the provisions of Title 13 CCR 2453(p).

"Level-3 Verified Technology" means a technology that has satisfied the requirements of the "Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines" in title 13, Cal. Code Regs., commencing with section 2700, and has demonstrated a reduction in diesel particulate matter of 85 percent or greater. In order to install a level-3 technology, the owner/operator must submit an application to the District to modify this permit.

10. This USEPA Tier 3 certified engine may not be sold, or offered for sale, to an end user in California on or after January 1, 2027. The sale of engines for resale outside of California is not prohibited.
[Title 17 CCR 93116.3(e)]

11. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[Title 17 CCR 93116, District Rule 1302]

12. 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.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]