



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

### PERMIT TO OPERATE

B013845

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

**EXPIRES LAST DAY OF: DECEMBER 2025**

#### OWNER OF OPERATOR (Co. #1489)

International Aerospace Coatings, Inc.  
13640 Phantom Road  
Victorville, CA 92394

#### EQUIPMENT LOCATION (Fac. #2924)

International Aerospace Coatings - Hangar #746  
13596 Phantom Rd East  
Victorville, CA 92394

#### Description:

DIESEL IC ENGINE, GROUND POWER UNIT (GPU) consisting of: A certified Tier 4f diesel engine, USEPA Family KCEXL08.9AAK, manufactured in 2019 and equipped with factory-installed emission controls. Exhaust flow is approximately 1680 ACFM at 888 degrees Fahrenheit through a 4.2 foot tall by 5 inch diameter stack:

One Cummins, Diesel fired internal combustion engine Model No. QSL9 and Serial No. 74472324, Ammonia Oxidation Catalyst, Charge Air Cooler, Compression-Ignited, Diesel Oxidation Catalyst, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, producing 300 bhp with 6 cylinders at 2200 rpm while consuming a maximum of 15.1 gal/hr. This equipment powers a TLD America Ground Power Unit Model No. GPU-418-E-CUP and Serial No. T63624, rated at 180 kVA.

#### EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.030	gm/bhp-hr
NOx	0.13	gm/bhp-hr
PM10	0.015	gm/bhp-hr
PM2.5	0.015	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.015	gm/bhp-hr

#### CONDITIONS:

Fee Schedule: 1 (c) Rating: 300 bhp SIC: 3721 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.

International Aerospace Coatings, Inc.  
Attention: Brittnay Friese

Spokane, WA 99219

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

1.This certified Tier 4f diesel engine 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]

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

- a. Diesel Oxidation Catalyst
- b. Electronic Control Module
- c. Exhaust Gas Recirculation System
- d. SCR-U Catalyst
- e. Ammonia Oxidation Catalyst

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

[40 CFR 60.4211, MDAQMD Rule 1302]

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

[Title 17 CCR 93116.4(c)(2)(A)]

4.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) 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)]

5.This engine shall not operate for more than 500 hours in any consecutive twelve month period. Furthermore, this engine and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved for a valid business purpose annually.)

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

6.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, and duration of each use (in hours);
- b. Rolling consecutive 12 month period of operation (in hours);
- c. Calendar year operation in terms of fuel consumption (in gallons) or total hours (for emissions inventory purposes); and,
- d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116.4(c)]

7.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]

8.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]