

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-535U-11

Relating to Exemptions under
Sections 38390 and 38391 of the Vehicle Code

Cleaire Advanced Emission Controls
Allmetal

Pursuant to the authority vested in the Air Resources Board by Part 5, Division 26 of the Health and Safety Code and Sections 38390, 38391, and 38395 of the Vehicle Code;
and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That installation of the Allmetal diesel particulate filter, manufactured by Cleaire Advanced Emission Controls of 14333 Wicks Boulevard, San Leandro, California 94577, has been found not to reduce the effectiveness of the applicable engine pollution control system, and therefore, the Allmetal diesel particulate filter is exempt from the prohibitions in Sections 38390 and 38391 of the Vehicle Code for installation on 2010 and older model-year Tier 2 and Tier 3 off-road compression-ignition engines rated from 100 to 350 kW with displacements of 5 to 18.2 liters. This exemption does not apply to engines certified to Tier 1 emission standards or those engines originally equipped with an exhaust gas recirculation system.

The Allmetal diesel particulate filter consists of a diesel oxidation catalyst, an uncatalyzed metal filter, a pressure sensor, a temperature sensor, and an electronic controller. Major components of the Allmetal diesel particulate filter are identified in Attachment A.

This Executive Order is only valid provided the engines meet the following operating conditions: (1) the engine exhaust temperature is greater than 260 degrees Celsius for at least 25 percent of the typical duty cycle and (2) the engine is operated using ultra low sulfur diesel with a maximum sulfur content of 15 parts per million by weight.

This Executive Order is based on emission testing Cleaire Advanced Emission Controls conducted with the Allmetal diesel particulate filter.

This Executive Order is valid provided that installation instructions for the Allmetal diesel particulate filter do not recommend tuning the engines to specifications different from those of the engine manufacturer.

Changes made to the design or operating conditions of the Allmetal diesel particulate filter, as exempt by the Air Resources Board, which adversely affect the performance of the engine's pollution control system, shall invalidate this Executive Order.

Attachment A

Allmetal Diesel Particulate Filter			
	Part	Qty	Part Number
1	Metal Diesel Particulate Filter	1	CJF-301X-Y
2	Oxidation Catalyst	1	CJD-20-20
3	MLC (Monitor Logger Controller)	1	CMKA-5.0B
4	Pressure Transducer	1	CUE-45
5	Thermocouple	1	CMA-4

Definition:

Metal Diesel Particulate Filter: CJF-301X-Y

X and Y are optional parameters used to define the inlet and outlet configurations of the filter.