



Linda S. Adams
Secretary for
Environmental Protection

Air Resources Board

Robert F. Sawyer, Ph.D., Chair
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov



Arnold Schwarzenegger
Governor

June 12, 2007

Mr. Frank DePetrillo
General Manager
Rypos, Inc.
260 Hopping Brook Road
Holliston, Massachusetts 01746

Dear Mr. DePetrillo:

The Air Resources Board (ARB) staff approves the Rypos HDPF/C as a Level 3 Plus verified diesel emission control device for stationary emergency standby generator and pump applications. Level 3 Plus verification means that the system will reduce diesel particulate matter (PM) emissions by 85 percent or more and meets the January 2009 NO₂ limit. This verification is valid for 1996 or newer certified off-road diesel engines listed in Attachment 1 to Executive Order DE-07-001 with particulate matter (PM) emissions of less than or equal to 0.2 grams per brake horsepower hour (g/bhp-hr). This verification is subject to the specific term and conditions contained in Executive Order DE-07-001 (attached). A summary of key applicability requirements are presented in Table 1 below.

This approval is based on the results of emissions and durability testing of the Rypos HDPF/C system performed in accordance with the testing protocol contained in Rypos HDPF/C Verification Proposal.

Since there may be significant variations from application to application, Rypos will review operating conditions (duty cycle, baseline emissions, exhaust temperature profiles, engine backpressure, maintenance history, and lube oil consumption) prior to retrofitting an engine with a Rypos HDPF/C to ensure compatibility.

The ARB has assigned the Rypos HDPF/C the designated family name of:

CA/RYP/2007/PM3+/N00/ST/DPF01

This identification number should be used to comply with the system labeling requirements. Additionally, as stated in the Diesel Emission Control Strategy Verification Procedure, Rypos is responsible for honoring their warranty (Section 2707) and conducting in-use compliance testing (Section 2709).

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

Table 1: Summary of Applicability Requirements for the Rypos HDPF/C System	
Parameter	Value
PM Verification Level	Level 3 Plus <ul style="list-style-type: none"> • PM - at least 85% reduction • NO₂ - meets January 2009 limit
Regeneration System	Active
Applications	Stationary Emergency Standby Generators or Pumps
Engine Type	Diesel-fueled, with or without turbocharger, certified off-road engine with particulate matter (PM) emission levels less than or equal to 0.2 g/bhp-hr
Engine Models	1996 or newer and listed in Attachment 1 to Executive Order DE-07-001
Engine Horsepower	Greater than 50 hp
Fuel	California diesel fuel with less than or equal to 15 ppm sulfur or a biodiesel blend provided that the biodiesel portion of the blend complies with ASTM D6751, the diesel portion of the blend complies with Title 13 (CCR), sections 2281 and 2282, and the blend contains no more than 20 percent biodiesel by volume.
Minimum Exhaust Temperature for Filter Regeneration	Not Applicable (NA). Active DPF
Maximum consecutive minutes at idle	NA. Active DPF
Number of Cold Start and 30 Minute Idle Sessions before Regeneration Required	NA. Active DPF.
Number of Hours of Operation Before Cleaning of Filter Required	Inspect every 1000 hours and clean if needed. Active DPF.
Additional terms and conditions	Executive Order DE-07-001
Approval Date	

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Should you have any questions or comments, please contact Mr. John Lee,
Air Resources Engineer, at (916) 327-5975.

Sincerely,

/s/

Daniel E. Donohue, Chief
Emission Assessment Branch
Stationary Source Division

Attachment

cc: John Lee
Air Resources Engineer
Control Strategies Section