

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-515  
Relating to Exemptions Under Section 27156  
Of the Vehicle Code

WATER REVITALIZATION, LTD.  
GRANDER ECO-KAT

WHEREAS, Vehicle Code Sections 27156 and 38391, and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(e), authorize the California Air Resources Board (ARB) and its Executive Officer to exempt add-on and modified aftermarket devices from the prohibitions of Vehicle Code Section 27156.

WHEREAS, Water Revitalization, Ltd. of 1850 Victoria Avenue, East Regina Saskatchewan, Canada, S4N 7K3 applied to the ARB for exemption from the prohibitions in Vehicle Code Sections 27156 and 38391 for the Grander Eco-Kat manufactured for use on all 2001 model year and older vehicles except those powered by electricity.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515 and in the Chief, Mobile Source Operations Division by Health and Safety Code Section 39516 and Executive Order G-45-9, the ARB finds that:

1. The Grander Eco-Kat is an add-on device installed around the fuel line in a motor vehicle.
2. The Grander Eco-Kat is intended for use with a required motor vehicle pollution control system.
3. The Grander Eco-Kat by being installed around the fuel line alters the original design of a motor vehicle pollution control system.
4. The Grander Eco-Kat is a device subject to the prohibitions of Vehicle Code Section 27156 and an add-on part as defined by Title 13, CCR Section 1900, (b)(1).
5. The Grander Eco-Kat does not reduce the effectiveness of any required motor vehicle pollution control system.

6. The ARB, in exercising technical judgement, is aware of no basis on which the Grander Eco-Kat will provide either a decrease in emission or an increase in fuel economy.
7. The ARB has not determined what effect the use of the Grander Eco-Kat may have on any warranty; either expressed or implied, by the manufacturer of a motor vehicle on which the device is installed.
8. The Grander Eco-Kat is not a certified motor vehicle pollution control device pursuant to Health and Safety Code Section 43644.
9. The ARB by granting an exemption to Water Revitalization, Ltd. for the Grander Eco-Kat does not recommend or endorse in any way the Grander Eco-Kat for emissions reduction, fuel economy, or any other purpose.

IT IS HEREBY RESOLVED that the Grander Eco-Kat is exempt from the prohibitions of Vehicle Code Section 27156 for installation on 2001 and older model-year vehicles subject to the following conditions:

1. No changes are permitted to the Grander Eco-Kat device as described in the application for exemption. Any changes to the Grander Eco-Kat or any of its component, or other factors addressed in this order must be evaluated and approved by the ARB prior to marketing in California.
2. Marketing of the Grander Eco-Kat without a permanent label showing the Executive Order number or marketing of the Grander Eco-Kat for an application other than the one stated in this Executive Order shall be prohibited unless prior approval is obtained from the ARB. Exemption of this product shall not be construed as an exemption to sell, offer for sale, or advertise any components of the Grander Eco-Kat as an individual device.
3. Any oral or written references to this Executive Order or its content by Water Revitalization, Ltd., its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any emissions reduction claims for the Grander Eco-Kat and is only a finding that the Grander Eco-Kat is exempt from the prohibitions of Vehicle Code Section 27156.

4. This exemption shall not apply to any device, apparatus, or mechanism advertised, offered for sale, sold with, or installed on a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.
5. No claim of any kind, such as "Approved by the Air Resources Board" may be made with respect to this Executive Order in any advertising or other oral or written communication.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OF THE GRANDER ECO-KAT.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after ten day written notice of intention to revoke it, during which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request, and the order may not be revoked until a recommendation is made, after the hearing, that grounds for revocation exist.

Executed at El Monte, California, this 21<sup>st</sup> day of February 2001.

  
R.B. Summerfield, Chief  
Mobile Source Operations Division

State of California  
AIR RESOURCES BOARD

EVALUATION OF WATER REVITALIZATION LTD.'S GRANDER ECO-KAT  
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE  
SECTION 27156 IN ACCORDANCE WITH SECTION 2222,  
TITLE 13, OF THE CALIFORNIA CODE OF REGULATIONS

FEBRUARY 2001

by

Mobile Source Operations Division  
Aftermarket Parts Section  
9528 Telstar Avenue  
El Monte, CA 91731

(This report has been reviewed by the staff of the California Air Resources Board and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Air Resources Board, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.)

## SUMMARY

Water Revitalization, Ltd., of 1850 Victoria Avenue, East Regina Saskatchewan, Canada, S4N 7K3, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code for the Grander Eco-Kat for installation on all 2001 and older model year motor vehicles.

Previously, the Air Resources Board exempted four similar devices with the same operating principles; "Polarion-X" by AZ Industries, Inc., "Petro-Mizer MKI" by P and M Research and Development Laboratory, "Fuel Energizer" by Magnetizer Group, Inc., and "Fuelsaver 2000" by Zeppelin Products. Based upon engineering evaluation of the device and exemption of similar devices, the staff believes that Grander Eco-Kat does not have any adverse effect on exhaust emissions. The staff recommends that Water Revitalization, Ltd. be granted an exemption from the prohibitions in Vehicle Code 27156 and that the Executive Order D-515 be issued.

## TABLE OF CONTENTS

	Page Number
Summary	i
Contents	ii
I. Introduction	1
II. Conclusion	1
III. Recommendation	2
IV. Device Description	2
V. Discussion	2

EVALUATION OF WATER REVITALIZATION LTD.'S GRANDER ECO-KAT  
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE SECTION  
27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE  
CALIFORNIA CODE OF REGULATIONS

I. INTRODUCTION

Water Revitalization, Ltd., of 1850 Victoria Avenue East, Regina Saskatchewan, Canada, S4N 7K3, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code for the Grander Eco-Kat for installation on all 2001 and older model year motor vehicles. The device is manufactured by UVO-Vertriebs KG of Pfarrhuegel 293 A-6100-Seefeld I.T., Austria. Water Revitalization Ltd., Eco-Kat California, of 1318 Rossmoyne Ave, Glendale, CA 91207-1853, is the authorized California distributor and representative for Grander Eco-Kat.

II. CONCLUSIONS

Previously, the Air Resources Board exempted four similar devices with the same operating principles; "Polarion-X" by AZ Industries, Inc., "Petro-Mizer MKI" by P and M Research and Development Laboratory, "Fuel Energizer" by Magnetizer Group, Inc., and "Fuelsaver 2000" by Zeppelin Products. Based upon engineering evaluation of the device and exemption of similar devices, the staff believes that Grander Eco-Kat does not have any adverse effect on exhaust emissions.

### III. RECOMMENDATION

The staff recommends that Water Revitalization, Ltd. be granted an exemption from the prohibitions in Vehicle Code 27156 and that the Executive Order D-515 be issued.

### IV. DEVICE DESCRIPTION

The Grander Eco-Kat is a magnetic device consisting of two metal parts, which are clamped around the fuel line between the fuel filter and the carburetion or fuel injection system. The metal housing is cylindrical in shape with dimensions of five inches in length and one and one-half inches in diameter. The product is made out of stainless steel.

### V. DISCUSSION

Water Revitalization, Ltd. claims that the device catalyzes the hydrocarbon fuel to reduce smoke and exhaust odor. It is staff's opinion that the device is not capable of producing any effect on emissions and fuel economy.

The ARB did not perform any emission or fuel economy tests to substantiate the claims made by the manufacturer. No adjustments such as timing, fuel metering or any other engine adjustments are included in the installation instructions.

Previously, the Air Resources Board exempted four similar devices with the same operating principles; "Polarion-X" by AZ Industries, Inc., "Petro-Mizer MKI" by P and M Research and Development Laboratory, "Fuel Energizer" by Magnetizer Group, Inc., and "Fuelsaver 2000" by Zeppelin Products. The exemptions were based on emissions testing, fuel economy, and engineering

evaluation. Because exemptions were issued in the past for similar devices with the same operating principle and the fact that qualifying for an exemption is based on not adversely affecting emissions, the staff recommends that Water Revitalization, Ltd. be granted an exemption for the device, Grander Eco-Kat.