



Winston H. Hickox  
Agency Secretary

# Air Resources Board

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Alan C. Lloyd, Ph.D.  
Chairman

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Gray Davis  
Governor

May 2, 2003

Mr. Steve Schmeichel, General Manager  
Exhaust – Emissions Business  
Donaldson Company, Inc.  
P.O. Box 1299  
Minneapolis, Minnesota 55440-1299

Reference No. RAS-03-15

Mr. Julian Imes, Director  
Exhaust/Emissions Technology  
Donaldson Company, Inc.  
P.O. Box 1299  
Minneapolis, Minnesota 55440-1299

Dear Mr. Steve Schmeichel and Mr. Julian Imes:

The Air Resources Board (ARB) has evaluated the Donaldson DCM diesel oxidation catalyst (DOC) mufflers with 6000 Series catalyst formulation plus closed loop crankcase with Donaldson Spiracle™ closed crankcase filtration system with California diesel or lower sulfur fuel strategy using the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines in Appendix A of the Staff Report. Based on its evaluation of the data provided, ARB hereby verifies this system reduces emissions of diesel particulate matter (PM) by an average of at least 25%, which is consistent with a Level 1 system. This system may be used in four-stroke, turbocharged diesel engines ranging from 150 to 600 hp. A list of these engines may be found in Table 1 of Attachment A and may be placed on off-road engines used in yard tractors, large lift trucks, top picks, side picks and gantry cranes.

As specified in the Diesel Emission Control Strategy Verification Procedure, ARB assigns each Diesel Emission Control Strategy a family name and requires it to be included on a label to be affixed on both the diesel emission control system and the engine. The designated family name for this system is **CA/DON/2003/PM1/N00/OFF/SYS01**. This identification number along with other label information must be in the following format:

*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>.*

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California Environmental Protection Agency

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### ARB Evaluation Label

**Name, Address, and Phone Number of Manufacturer**

**CA/DON/2003/PM1/N00/OFF/SYS01**

**Product Serial Number**

**ZZ-ZZ (Month and Year of manufacture, e.g., 06-02)**

The ARB estimates that this system will not incur a fuel economy penalty when used in a compatible application.

Additionally, as stated in the Diesel Emission Control Strategy Verification Procedure, Donaldson Company, Inc. is responsible for honoring a warranty (Section 2707) and conducting in-use compliance testing (Section 2709).

Thank you for participating in ARB's diesel emission control strategy verification program. Should you have any questions or comments, please contact Ms. Annette Hebert, Branch Chief, Heavy-Duty Diesel In-Use Strategies Branch, at (626) 575-6973.

Sincerely,



Robert H. Cross, Chief  
Mobile Source Control Division

Attachment