



Caterpillar Inc.
P.O. Box 600
Mossville, Illinois 61552

April 27, 2011

To Whom It May Concern:

Caterpillar Inc. performs engine emissions tests in accordance with applicable regulations. Engines certified for non-road use in the United States do not require a measurement split of NO_x emissions between NO and NO_2 . Therefore, Caterpillar does not have this type of emissions data recorded.

As a general rule, NO_2 is typically 5 to 15% of the engine-out NO_x emissions. However, an engine equipped with an oxidation catalyst or catalyzed DPF will convert some additional NO to NO_2 . As this is highly dependent on catalyst material and operating temperature, this amount cannot be quantified simply.

Sincerely,



Brian J. Hockridge / KWG

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