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Projecting emissions to year 2020 from diesel locomotives in Canada

Eggleton, Peter ; Dunn, Robert

Proceedings of the 2005 Fall Technical Conference of the Asme Internal Combustion Engine Division — 2005, pp. 105-110

Described are the methodology, database and example projections to the year 2020 of the cumulative emissions from diesel locomotives in Canada for a range of freight and passenger fleet activity profiles. The emissions include both the criteria air contaminants (CAC) harmful to human health

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Influence of duty cycles and fleet profile on emissions from locomotives in Canada

Eggleton, Peter ; Dunn, Robert

American Society of Mechanical Engineers, Internal Combustion Engine Division (publication) Ice — 2002, Volume 39, pp. 253-262

Analyses were carried out of the exhaust emissions from locomotives in Canadian railway operations based on data as of the end of 2001. The authors found that locomotive technology used in the fleet significantly influenced the emission factor while duty cycles had a lesser influence

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Reducing emissions from diesel-hauled commuter trains by recouping braking energy

Eggleton, Peter

Proceedings of the Spring Technical Conference of the Asme Internal Combustion Engine Division — 2012, pp. 461-471

, 000 hp diesel locomotive, typical of the rolling stock now in service in Canada and the U.S.A. Because increasing train acceleration was the primary aim, the concept was named the Hybrid Augmented Traction System (HATS). Analyses of HATS simulations showed that in addition to augmenting acceleration

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PREPRINT ARTICLE



REDUCING EMISSIONS FROM DIESEL-HAULED COMMUTER TRAINS BY RECOUPING BRAKING ENERGY

Eggleton, Peter

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ARTICLE



HIGH SPEED MAGNETICALLY LEVITATED TRANSPORT DEVELOPMENT IN CANADA

Atherton, David L. ; Belanger, P. R. ; Eastham, A. R. ; Eggleton, Peter L. ; Hayes, W. F. ; Rudback, N. E. ; et al. (1 more)

Journal of Advanced Transportation — 1980, Volume 14, Issue 1, pp. 73-105

This paper outlines the concept development and experimental investigations constituting the Canadian MAGLEV development program to date, together with the planned and future activities. The motivation, overall objectives and short term goals of the program are defined. Organization and current status are presented. The technical characteristics of the proposed system are described, including g...

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