Kent Frølund - DTU Orbit (07/07/2017)

Kent Frølund

Organisations

Ukendt stillingsbetegn., Department of Energy Engineering
04/07/2003 → 03/09/2013 Former
VIP

Publications:

Diesel Engine PAH Transport from Oil in Crank Case to Exhaust

General information
State: Published
Organisations: Department of Energy Engineering
Authors: Frølund, K. (Intern), Schramm, J. (Intern)
Pages: 63-72
Publication date: 1997
Main Research Area: Technical/natural sciences

Publication information
Journal: SP-1299 Combustion and Emission in Diesel Engines
Original language: English
Source: orbit
Source-ID: 174562
Publication: Research - peer-review › Journal article – Annual report year: 1997

Simulation of Engine-Out HC-Emissions from SI-Engines and Possible Ways of Reduction

General information
State: Published
Organisations: Department of Energy Engineering
Authors: Frølund, K. (Intern), Schramm, J. (Intern)
Pages: 87-105
Publication date: 1997
Main Research Area: Technical/natural sciences

Publication information
Journal: SP-1300 Combustion and Emissions Formation in SI Engines
Original language: English
Source: orbit
Source-ID: 174561
Publication: Research - peer-review › Journal article – Annual report year: 1997

Analysis of the Piston Ring/Liner Oil Film Development During Warm-Up for an SI Engine

General information
State: Published
Organisations: Department of Energy Engineering
Authors: Schramm, J. (Intern), Frølund, K. (Intern), Tian, T. (Ekstern), Wong, V. (Ekstern), Hochgreb, S. (Ekstern)
Publication date: 1996
Main Research Area: Technical/natural sciences

Publication information
Journal: SAE Transactions
Original language: English
Source: orbit
Source-ID: 174552
Publication: Research - peer-review › Journal article – Annual report year: 1996
Analysis of the Piston Ring/Liner Oil Film Development During Warm-Up for an SI-Engine

General information
State: Published
Organisations: Department of Energy Engineering
Authors: Frølund, K. (Intern), Schramm, J. (Intern), Tian, T. (Ekstern), Wong, V. (Ekstern), Hochgreb, S. (Ekstern)
Pages: 25-37
Publication date: 1996

Host publication information
Title of host publication: Proceedings of the ASME, I.C. Combustion Engine Division Fall Technical Conference
Main Research Area: Technical/natural sciences
Conference: ASME, I.C. Combustion Engine Division Fall Technical Conference, October 20-23, Ohio, USA, 01/01/1996
Source: orbit
Source-ID: 176127
Publication: Research › Article in proceedings – Annual report year: 1996

Projects:

Measuring and Modelling of Oil Film Thickness in an IC Engine
The oil film on the cylinder liner is known to influence the emission of un-burnt hydrocarbons from SI engines. In an attempt to improve our models for calculation of unburnt hydrocarbons in the exhaust of an SI engine, we are trying to model the variation of the oil film thickness on the cylinder liner over an engine cycle. This has resulted in a better understanding of emission levels from recent experiments.

Department of Energy Engineering
Massachusetts Institute of Technology
Volvo Car Corporation
Michigan Technological University
Period: 01/08/1994 → 01/06/1998
Number of participants: 2
Project participant:
Frølund, Kent (Intern)

Project Manager, organisational:
Schramm, Jesper (Intern)

Smøreoliefilmmodel for forbrændingsmotorer
Department of Mechanical Engineering
Number of participants: 6
Phd Student:
Frølund, Kent (Intern)

Supervisor:
Schramm, Jesper (Intern)
Main Supervisor:
Sorenson, Spencer C (Intern)
Examiner:
Carlsen, Henrik (Intern)
Denbratt, Ingemar (Ekstern)
Henningsen, Svend (Ekstern)

Financing sources
Source: Internal funding (public)
Name of research programme: DTU-Su Stipendium, Eksperiment
Project: PhD