



CRAIG A BROWN
SENIOR ENGINEER
TRANSPORTATION PROPERTY & PREMISES
AND PRODUCT GROUPS

BASc, Mechanical Engineering, 1974
Registered Professional Engineer

Craig Brown joined MEA in 1987. He is experienced in investigating vehicle collision, fire, product liability, and mechanical and material failure cases.

Mr. Brown has investigated more than 100 equipment and facility fires. He has experience assembling highway tractors, oilfield trucks, off-road logging and dump trucks; this provides him with insight into the operation and failure mechanisms of these vehicles as it pertains to a fire. He is also familiar with diesel engine installations and diesel performance specifications.

Mr. Brown's experience includes investigations for more than 100 slip and fall cases, with an emphasis on stairway hazards.

Areas of Specialization

- Collision reconstruction
- Vehicle and machinery fire
- Occupier liability
- Product failure

Professional Affiliations

MEA staff are members of various professional organizations. A current listing can be found on our website www.meaforensic.com.

Recent Publication

Goudie DW, Bowler JJ, **Brown CA**, Heinrichs BE, Siegmund GP (2000). Tire friction during locked wheel braking (2000-01-1314). Accident reconstruction: analysis, simulation, and visualization (SP-1491), pp. 479-490. Warrendale, PA: Society of Automotive Engineering.

Representative Project

Conducted a systematic investigation of the time delay and effective braking which occurs between brake pedal application and the deposition of skidmarks during emergency braking. Analyses assumed this delay to be negligible. However, previous experiments have demonstrated that this assumption is incorrect. Previous work also examined variations in tire/road friction for three tire types (economy, touring, performance) under two road conditions (dry, wet).

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