

Gilmore Engineers

Expert Witness

Gilmore Engineers Pty Ltd have investigated and formally reported on in excess of 1,000 cases for mediation and litigation since 1984. Dr Gilmore, and Dr Hope have been preparing expert reports for 32 years and 19 years respectively, and both are experienced with presenting expert evidence in court.

Examples of typical expert witness cases Gilmore Engineers have completed include:

Motor Vehicle Accident Analysis

Passenger car:

- Head-on impact
- Rollover
- Skid
- Vehicle position pre-impact

Heavy vehicle:

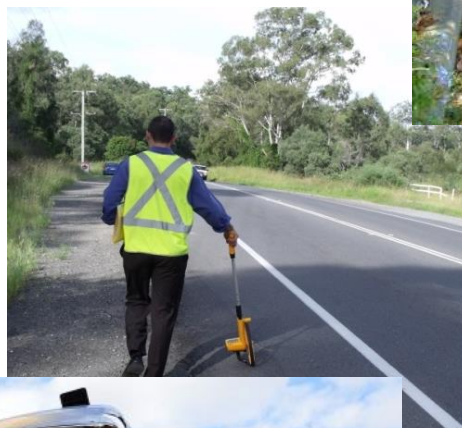
- Roll-overs
- Jack-knife
- Load shift
- Stopping distance

Bicycles/Motorcycles:

- Tyres
- Suspension
- Component failure
- Collision

General

- Speeding
- Friction measurement
- Pedestrian impact
- Stopping distance
- Brake failure
- Seat belts



Workplace Injury:

- Noise and vibration effects
- System of work assessment
- Impacts
- Crushing or cutting injuries
- Cumulative trauma disorders
- Ergonomic Assessment



Personal Injury:

- Slip and fall
- Back injury
- Ladder failure
- Treadmill injury
- Handyman injury
- Equipment failure
- Sunshade collapse



Loss of Life:

- Heavy industrial equipment
- Portable hand tools
- Forensic murder evidence/defence
- Elevating platforms
- Arson investigation
- Boating mishap

Product Liability

- Consumer Product analysis and testing
- Furniture/equipment testing
- Analysis of material stress
- Supply of defective machinery
- Motor vehicle Standards compliance
- Swimming pool heating system
- Analysis of fire spread and behaviour



Machine Failure

- Helicopter/aircraft failures
- Construction crane collapse
- Mobile crane collapse
- Elevated working platform failure
- Industrial equipment explosion
- Heavy transport vehicle cracking
- Engine failures and fires
- Fracture mechanics

Patent/Copyright defence support

- Fish harvesting machine patent
- Industrial conveyor belt system
- Heavy haul trailer design copyright
- Heavy vehicle suspension performance patent
- Building product patent infringement
- Sunshade and playground products
- Engineering comparisons of technology



Our Experts:

- *Are well qualified, experienced, and professional*
- *Possess quick, enquiring minds*
- *Are competent in communicating at a high level in both written and verbal forms*
- *Have a proven track record of success*
- *Possess the ability to suggest suitable tests and lines of investigation*
- *Well rounded personality, able to lead a team if required*
- *Are approachable, and easy to work with and converse well*

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