



fireforensics
SOLVING THE PUZZLE OF FIRE

Machinery Fires Capability Statement

We at Fire Forensics are leading experts in fire and explosion investigation in Australia and abroad, and have offered our clients thorough and impartial fire investigation services for over 40 years.

Our team of qualified and experienced specialists solve the puzzle of fire, providing an overall understanding of a fire or explosion event from the ignition through to the spread and development. From mining, agricultural and construction machinery, to ships, boats and marine equipment, we break down *where*, *how* and *why* a fire started, what fuel and ignition source was involved and how the fire spread through the machinery.

Machinery fires ignite and grow in the same way as structural fires, but behave differently in some ways due to their materials and compartment shapes. They often have different fuels and more potential ignition sources than a typical structural fire.

We use our specialist fire behaviour knowledge and apply this to our clients' machinery fire, uncovering the cause of the incident so our clients can understand how a fault, failure or accident has led to the fire event within their machine.

Our professional and prompt system of investigation and reporting sets us apart in the industry, and we take pride in our exemplary standards of client services and scientific techniques. We aim to provide our clients with a comprehensive yet easy to understand report that breaks down the complex sequence of events and unique conditions at the site that led to the fire at hand. We explain how the specific fuels and ignition sources within the individual machine came together to cause a fire event. We aim to identify the fault or failure involved, and whether the fire was a result of poor maintenance, component failure or something else. This comprehensive report can be used to identify the underlying cause or problem to prevent future fires from occurring, as well as for financial recovery.

We're with you every step of the way, and can provide expert witness testimony and evidence in court where required, as well as expert findings on individual or corporate responsibility, legal liability, compliance with legislation and standards, and many other factors required by our clients.

We pride ourselves on our ability to communicate complex technical concepts into easy to understand event sequences for our clients and their staff, and ultimately judges and juries. Working thoroughly, lawfully and professionally, we are committed to solving the puzzle of fire for our clients with the *highest* levels of personal, legal and corporate integrity.

Please contact us at office@fireforensics.com.au or go to www.fireforensics.com.au for more information on our services.

