

Latest Forensic Evaluation Case List – CRIFS

Materials/Components Related Incidents

- 01 Surface contamination and poor adhesion of elastic pavement materials
- 02 Defective epoxy resin for architectural floor construction
- 03 Corrosion causes analysis of seamless alloy pipe
- 04 Malfunction and breakage of bathroom cabinet glass
- 05 Corrosion causes analysis of copper pipes for sprinklers
- 06 Evaluation of weak fastening force in Velcro
- 07 Defect and failure in superabsorbent polymer hot pack
- 08 Transparency evaluation of acrylic sheet
- 09 Damage due to defects in composite panels
- 10 Incident of broken double-glazing glass
- 11 Failure analysis of half-round nut
- 12 Integrity assessment of defects in KEPCO transmission tower
- 13 Cause analysis of defects in semiconductor substrate
- 14 Failure analysis of architectural panel during use
- 15 Cause investigation of cartridge case defect during firing
- 16 Cause investigation of anchor bolt failure in wind power tower
- 17 Cause investigation of roller crack
- 18 Corrosion cause and chemical composition analysis of water tank product
- 19 Failure cause analysis of high-pressure feedwater heater tubes

- 20 Failure cause analysis of OLED display defects
- 21 Corrosion cause analysis of EPW-STEEL pipe
- 22 Investigation of surface defect cause in pipe flange
- 23 Technical advisory on enamel wire used in automotive motor assembly
- 24 Analysis of cause for reduced OLED drop resistance

Mechanical/Structural/Construction Related Incidents

- 01 Failure cause of nuclear piping
- 02 Steam turbine generator (GE) at Ohsung Power Plant
- 03 New shot ball fluid dryer
- 04 Clutch disc failure
- 05 Defects in jib crane luffing mechanism
- 06 Main bearing failure caused at Shinan Wind Power Plant
- 07 Roller defect accident
- 08 LSB failure analysis
- 09 Investigation of high-pressure feedwater heater tube defect and failure
- 10 Main bearing failure caused at wind power plant
- 11 Feasibility study on applying ultrasonic testing method to water pipe standards
- 12 Safety diagnosis advisory for Flash Cooler and similar facilities in refineries
- 13 Weld overlay inspection scope and quality management for heat exchanger
- 14 Cause of rupture in refrigerant gas container
- 15 Advisory on Namyangju tower crane collapse
- 16 Failure cause and life expectancy prediction for power generation turbine
- 17 Evaluation of Mauna Resort (Gyeongju) collapse incident
- 18 Evaluation of Gangseo Banghwa Bridge collapse incident