



THERMAL BLANKET ESSENTIALS: PART 1

RETHINK YOUR FIRE MITIGATION STRATEGY

SEE PART 2 TO UNWRAP BLANKETS

Fire mitigation is essential for the safe operation of machinery, the safety and well-being of workers. There's no way to downplay the cost of mine site engine fires, with the worst-case scenario being a total loss of assets.

WHAT ARE SOME CAUSES OF FIRES?

Poor equipment maintenance escalates the risk of fires, with faulty and worn equipment such as fuel lines and hoses majorly increasing the chances of equipment failure. Heat-critical engine components such as turbos, manifolds, exhausts, engine pipes and mufflers are sources of extreme temperatures.

HOW CAN YOU PREVENT FIRES?

Blankets separate fuel sources from extreme-heated engine components. When properly maintained, thermal blankets provide a controlled physical barrier around these hot areas. Aletek blankets are designed for maximum coverage and minimal gaps to reduce potential hotspots.

Consistent maintenance and correct installation are vital for effective fire mitigation. Thermal blankets require regular maintenance checks to rectify improper fitment, damage, or flammable fluid contamination. Aletek strongly advises that blankets are installed by experienced personnel. Please refer to the installation order on drawings supplied with blanket kits to ensure the correct fitment order.

WHAT TO CHECK DURING MAINTENANCE?

To ensure thermal blankets are effectively utilised, follow these general inspection and maintenance practices:

- Inspect blankets frequently (monthly)
- Check blankets are fitted correctly
- Refit loose blankets
- Replace damaged or missing blankets
- Check for damage or contamination
- Replace oil-soaked or damaged blankets



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