



CIRCULATE TO:
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PRODUCT SUPPORT BULLETIN #236

Product: ANFO Loaders

Date: Dec. 16/04

Subject: Copper / Copper Alloy Components

Equipment Affected: BTI ANFO Loaders

Classification: Urgent Advisory / Safety

Details:

It has come to our attention, components made from copper or copper alloys such as brass or bronze cannot be used on any ANFO Loading Systems. A study has shown when copper and ANFO come into contact, a chemical reaction occurs and a compound called Tetramino Cupric Nitrate is formed which under certain conditions can become explosive.

Because of this, we are suggesting you inspect all your ANFO Loading equipment for the presence of any copper alloy components such as strainer, valve fittings and pressure relief valves. As the risk is minimal the loading systems do not have to be put out of service but the replacement of any of the affected components should be done as soon as possible. It would also be a good time to make sure the system has a pressure relieve valve or rupture disc installed.

If any additional information is required please contact Breaker Technology Ltd. Engineering department at 519-599-2015.