



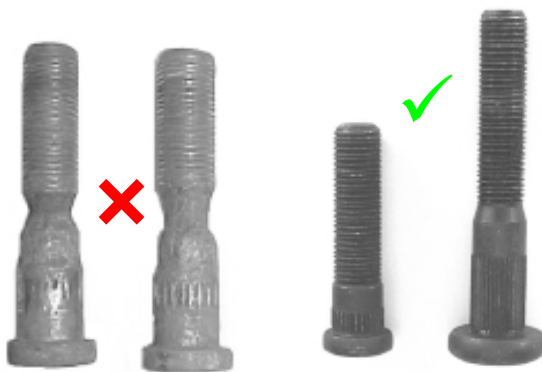
## **Safety Alert #69:** **Application & Integrity of Stud & Nut type** **Wheel Fasteners**

The integrity and application of Stud & Nut type Wheel Fastening Systems when fitting Earthmover Wheels is crucial to prevent injury to personnel and damage to earthmoving equipment. Assemblies that are incorrectly fitted can come loose, sustain damage, and have the potential to cause further injury/damage.

### **Recommendations**

1. Ensure that all fasteners are fully inspected and are in serviceable condition prior to fitment, as per Section 5 of the Klinge Training Manual.
2. Ensure that fasteners are managed within an accepted fastener management program.<sup>1</sup> Damaged nuts or studs must not be used.
3. Ensure that nut & stud type fasteners have '100% coverage', ie no nut overhang.
4. Ensure that mating surfaces and fasteners are thoroughly cleaned/inspected prior to fitment.
5. Refer to Torque Charts for required nut/stud sizes, dry/wet requirements and approved torque settings/sequences. Be wary of the stud/nut type as different manufacturers may have different torque setting requirements.
6. Ensure that your torque tools are in calibration.
7. Record applied torque settings for each job (ie on a tyre change sheet, docket book, etc).

KLINGE SAFETY ALERT



### ***Eliminate All Unsafe Acts & Conditions.***

Davin Faux, Manager – Global Risk & Business Improvement  
31/08/09 Safety Alert 69 Integrity of Fasteners & Mating Surfaces.doc

<sup>1</sup> As per OEM specifications.

***'Klinge Safe Tyres Produce More & Last Longer'***

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