




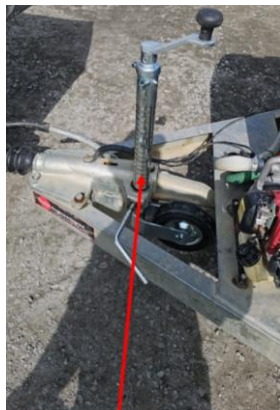




Fractured Foot - Struck by Towed Water Bowser Tow Hitch			
Number	2023-13	Date	30/07/2023
<b>Summary:</b> Recently on a UK Construction Site The IP was preparing a water bowser trailer for connection to a forward tipping dumper truck. As the IP raised the hitch of the browser using the jockey wheel extender, the jockey wheel clamp slipped and the hitch fell to ground level on the IP's foot. He felt pain in his foot and was sent to the local A&E department. <b>Outcomes:</b> It was found that the IP had a hairline fracture of his Metatarsal bone. <b>Incident Classification:</b> L2 – LTI – 31 Days			
<div><div> Jockey wheel handle</div><div> Jockey wheel support tube</div><div> Support tube clamp</div><div> Support tube clamp locking lever</div><div> Support tube clamp internal pressure pad</div></div>			
<b>Root Cause and Contributory Factors</b>		<b>Action and Lesson Learned</b>	
<p>Immediate/Direct Cause</p> <ul style="list-style-type: none"><li>Equipment failure namely the jockey wheel clamp friction pad.</li></ul> <p>Contributory Causes</p> <ul style="list-style-type: none"><li>Although not a direct contributory cause all Towed Mobile Plant should be issued with a HZI Plant Sticker and the documented inspection associated with that process retained.</li><li>Although this type of clamp is used successfully on many thousands of trailers, the replacement jockey wheel assembly had a ribbed support tube. This design may reduce the risk of the front bracket falling if the friction pad fails.</li></ul> <p>Root Cause</p> <ul style="list-style-type: none"><li>Unforeseen component failure - failure of the human / machine interface.</li></ul>		<ul style="list-style-type: none"><li>Check all items of Towed Mobile Plant for serviceability. If necessary take the weight off the jockey wheel (without placing anyone in the line of fire) to inspect support tube screw clamp and the friction pad</li><li>Ensure all items of Towed Mobile Plant are issued with a Plant Sticker and retain the associate inspection document</li><li>If any defective or worn components are identified in the checks, the "ribbed support tube" jockey wheel is the preferred replacement. It is not mandatory to use this type however due to the very low risk of failure of the original type.</li></ul> <div> Replacement ribbed support tube</div>	
<div><div></div><div>Every Lesson Learned is an opportunity to avoid recurrences. What have you done to avoid a similar incident on your project?</div><div></div></div>			