



TWO POST VEHICLE HOISTS ARE NOT SUITABLE FOR LIFTING CERTAIN TYPES OF VEHICLES; eg. 80 SERIES TOYOTA LANDCRUISERS

A recent examination of a swing arm type Installation, Operation and Maintenance Manual for a new hoist found a warning stating that Two-Post vehicle hoists were not suitable to lift certain types of vehicles, including 80 Series Toyota Landcruisers.

80 Series Toyota Landcruisers are widely used at minesites, as are Two-Post vehicle hoists, where vehicles are serviced and repaired. Significant hazards exist if hoists are incorrectly installed or used incorrectly, and persons who operate them, or work in close proximity to them, must be trained and competent in their safe use.

During a major service the 80 Series Landcruiser may become unstable when lifted, creating a hazardous situation. This is because the centre of gravity of the vehicle is close to the position supported by the front swing-arms of the hoist. The risk of the vehicle tipping off the hoist is very real and is increased if the vehicle is fitted with a Bull-Bar or other accessories. This matter was raised with a manufacturer of vehicle hoists, who confirmed the concerns and subsequently issued a Safety Bulletin to its sales and service personnel and users of Two-Post vehicle hoists of all makes.

Vehicle hoists are classified plant and are subject to a number of regulations contained in Part 6 of the Mines Safety and Inspection Regulations 1995. The regulations “require all vehicle hoists to be registered with the State Mining Engineer and inspected by Special Inspectors of Mines (Machinery), or persons approved in writing by the State Mining Engineer to inspect classified plant.”

The following is recommended:

- 80 Series Toyota Landcruisers should not be lifted on Two-Post vehicle hoists. A check should be made on the stability of any vehicle type to be lifted.
- All vehicle hoists on mines must be installed in accordance with the manufacturer’s specifications.
- Vehicle hoists on mines must be registered and have been inspected in accordance with Regulations 6.34 and 6.40 of the Mines Safety and Inspection Regulations.
- Manufacturer’s Installation, Operation and Maintenance Instructions must be available, and operators of vehicle hoists are to be trained and assessed for competency in accordance with Regulations 4.13 and 6.37 of the Mines Safety and Inspection Regulations.
- All vehicle hoists on mines must be assessed and comply with manufacturers specifications.

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