

A worker is crushed by a tire part while installing a pressure sensor

A work team was installing a new tire on a truck. The side ban and the rim are first installed on the tire laying flat on the floor before installing the wheel with a lifting device. The parts are smooth and coated with grease to facilitate their installation. Once completed, a downward pressure is exercised in order to bend it out of shape to create an opening to install a pressure sensor. The worker fastens the sensor on a stick and guides it towards the inside of the wheel. Suddenly, the side ban and the flange come loose and fly off into the direction of the worker who tries to get away, but is still hit by them. He sustains a fracture to his right knee as well as a serious injury to his left knee.

Serious Accident

Date: May 7, 2016
Category: Tire shop
Activity: Installation of a sensor
Job title: Mechanic Helper



Causes of the Accident

- There is no procedure or safe work method for the installation of a pressure sensor in a tire.
- The parts are not completely inserted into the tire and are coated with grease.
- The worker has to stand close to the tire because the sensor pole is too short

Preventative Measures by the Company

- Develop a procedure for the installation of tire pressure sensors.
- Make sure that these procedures are up to date and reviewed with the workers before installing pressure sensors.
- Assess the possibility of installing a system that will hold the tire rim and its accessories down during the installation.

Additional Information

Rules

- Règlement sur la santé et la sécurité du travail (LSST), Art. 337. Wheels under pressure
 - *Online or purchased through* www.publicationsduquebec.gouv.qc.ca

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