

## Independent wheel suspension of Carraro

### Task Description: **Riding tractor**

Tractor drivers undergo whole body vibrations on the road and on the field.

### Comments of the employee:

- 'No comfortable sitting posture'
- 'Vibrations (seat, quality floor, hand/arm machinery...)'
- 'Opportunity to have a break or change activity'

### MSD risks:

- Posture
- Duration
- Vibrations (whole body or hand/arm)

### Exposed areas:

- Lower back

### Solutions:

- CNH – Independent wheel suspension of Carraro  
In this independent front wheel suspension, only the ends of the axle can move. A mechanical suspension of a torsion bar and a pneumatic suspension of nitrogen accumulator are combined.  
There are three modes: on – off- manual.  
A fixed height of the tractor nose is realized by an automatic height correction.

