

Terraglide front axle suspension

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 – Terraglide front axle suspension
Terraglide is an electronic controlled hydraulic suspension mechanism of the front axle. The axle can move 60mm up- and 45mm downwards to dampen shocks. When the Panhard bar (8) rotates, the axle will move up or down. This vertical movement is measured by the nitrogen accumulators which control the hydraulic cylinder. This will dampen the shock and adjust the vertical position of the axle.

