

Laboratory medicine



Occupational & Environmental Medicine

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Calculation template for present vibration exposure

The template works for both hand-/arm vibration and whole body vibration and is designed to calculate the ongoing or impending vibration exposures and is well suited for making sophisticated risk assessments.

Requires Microsoft Excel.

Template features

- Vibration points/minute or hour
- Permissible usage of each machine before exceeding the input / limit value
- Vibration exposure for each machine;
 - Based on the average and maximum usage
 - Reporting in m/s^2 or vibration points
- Can view the range of vibration levels
- Cumulative exposure to vibrations for different work-tasks or persons
- Visualization of exposure related to the action and limit values
 - Per work-task or person
 - Average of year
- Visualization of the vibration exposure per work-task or person over the year

Template values for vibration-level

The template contain values for a range of tools and machinery produced partly from "Non-binding hand post good practice for implementing Directive 200244EG (vibration at work) 2007_6308_SV", partly based on the compilation of data from Umeå's vibration database (<http://www.vibration.db.umu.se/>), PAF (<http://www.portaleagentifisici.it/?lg=EN>), the manufacturer stated CE vibration levels and AMM Syd measurements. Values are given for the 25th percentile, mean and 75th percentile.