

## Calculator for Hand-Arm Vibration

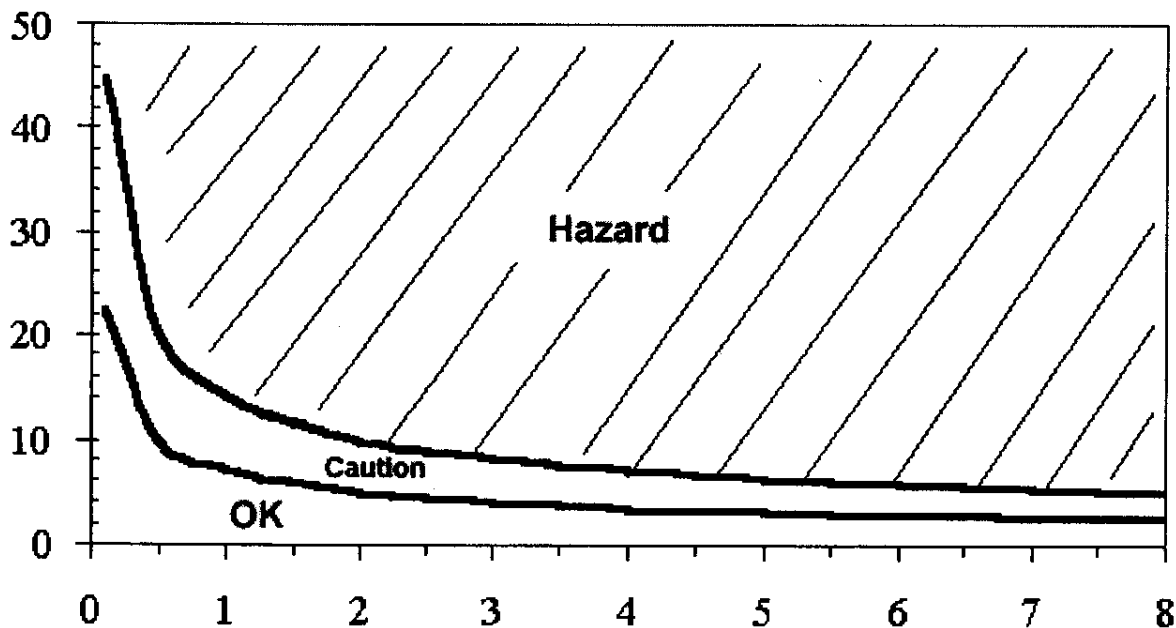
1. Find the vibration value for the tool. (Get it from the manufacturer look it up at this website <http://umetech.niwl.se/Vibration/action.lasso?-database=HAVbase.fp3&-layout=Normal&-response=HAVSearch.html&-show> On the graph below mark the point on the left side shown as Vibration value.

Vibration
$m/s^2$

2. Find out how many total hours per day the employee is using the tool and mark that point on the bottom of the chart below.

Duration
Hrs.

3. Trace a line into the graph from each of these two points until they cross.



### 4. Interpretation

- a. If that point lies in the crosshatched "Hazard" area above the upper curve, then the vibration hazard must be reduced below the hazard level or to the degree technologically and economically feasible.
- b. If the point lies between the two curves in the "Caution" area, then the job remains as a "Caution Zone Job."
- c. If the point falls in the "OK" area below the bottom curve, then no further steps are required.

Note: The caution limit curve (bottom) is based on an 8-hour energy-equivalent frequency-weighted acceleration value of  $2.5 m/s^2$ . The hazard limit curve (top) is based on an 8-hour energy-equivalent frequency-weighted acceleration value of  $5 m/s^2$ .