



VIBRATIONER

Vårmöte 20190523

Rentaldagen nov 2018 – erfarenheter och slutsatser

- Catarina Nordander, överläkare, docent Region Skåne
- Hans Lindell, forskare Swerea IVF
- Två föredrag som berörde oss djupt:
 - ”alla blir sjuka till slut”
 - ”vibrationsskador är så onödiga”

Våra kunder – maskinanvändarna – är utelämnade!

Vad har vi lärt oss?

- Säkerhetsmarginalen i kraven är för låga
- Mätmetoderna är standardiserade men inte verklighetstroga
- Nya maskiner vibrerar också för mycket
- Skadorna är oåterkallerliga
- Skadorna ökar
- Det finns för dålig kunskap om vibrationer hos våra kunder
-och hos oss uthyrare och leverantörer!

Vad gör vi?



Teaser utbildningsfilm

<https://youtu.be/zeudnLkclUU>

PSI - personlig säkerhetsintroduktion

Rentalbranschens säkerhetsblad för maskin användare



PSI UTVECKLAS – nya symboler

Varningssignaler - förslag



Arbets- och miljömedicin Syd

Personal Safety Introduction
PSI
Read before using

For trained users, over 18 years.



Vibrator plate, forward-going, combustion engine driven

▶ Tremix MV 40

Stop/Emergency Stop

- ▶ Put the throttle control in idle mode and let the engine run for a minute. Turn the power switch to OFF position. Close the fuel valve.

Check before starting

- ▶ Throttle: in the idle position.

Safe use/Risk assessment

- ▶ Danger of tilting, the machine should not be run on inclined surface.
- ▶ Look in the direction the machine runs, and make sure not to become squashed between the machine and an inflexible object.
- ▶ If necessary, water against dust.
- ▶ Always turn off the machine before you leave it.

Ergonomics

- ▶ Hold the machine with both hands.
- ▶ Lower the shoulders. Keep upper arms as close to the body as possible.

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Safety functions

- ▶ Information missing

Intended use (Suitable applications)

- ▶ Gravel, sand, macadam, paver.

Start

- ▶ Open the gasoline cock. Open the choke. Bring the throttle control to MIN position. Turn the power switch to ON position. Pull the start strap until the machine starts. Close the choke.

Monitoring/Inspection

- ▶ Turn off the machine and disconnect the fuel supply before all monitoring/inspection.
- ▶ Protect skin and eyes when refilling fuel and oils.

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1,4
Input: Maximum value of 100 points per day
Limit: Maximum value of 400 points per day

0,2
Input: Maximum value of 100 points per day
Limit: Maximum value of 400 points per day

Noise

- ▶ 85 db(A) sound pressure level - 99 db(A) sound effect

Vibration

- ▶ 3D-value hand/arm vibration: 11,5 m/s²
- ▶ Work time input: ca 01:10 h
- ▶ Work time limit: ca 04:40 h
- ▶ Vibration increases the risk of hearing damage, Raynaud's disease, as well as nerve and muscle impact.

1,4 points per minute
Input: Maximum value of 100 points per day
Limit: Maximum value of 400 points per day

Technical data

- ▶ Fuel: Unleaded gasoline 95 octane or alkylate gasoline
- ▶ Weight: 42,7 kg
- ▶ Effect: 2,2 kW



Vi kan göra skillnad

“Noll-vib auktoriserad uthyrare”

- Ett sammanhållet utbildningsmaterial
- Filmer och fakta
- PSI – självklar kunskaps- och informationskälla
- Marknadsföring och kommunikation till kunder, Byggnads, Sveriges Byggindustrier...
- Stärker Rentals position
- Konkurrensfördelar till företagen

Utbildning och kunskap

- Vi kan förändra genom att påverka efterfrågan
- Användaren och arbetsgivaren är centrala

Förslag: En branschgemensam vibrationsmånad,
inom denna en **utbildningsvecka** för alla uthyrare

A large, white, stylized logo consisting of a large 'S' and 'R' intertwined. The 'S' is on the left and the 'R' is on the right, with their forms overlapping and merging into a single, continuous shape.

SWEDISH
RENTAL