Troubleshooting Fit Tests

RESFT 204

+ Troubleshooting Best Practice
+ Real Time Fit Factor
+ Suspiciously High Fit Factors

Instructor: John Morton
Troubleshoot Fit Tests

Fit Test Completed

- Exercise: NORMAL BREATHING
- Fit Factor: 1
- Test Status: Fail
- Overall Fit Factor: 1
- PortaCount Status: Connected
Troubleshoot Fit Tests

PortaCount

Respirator

Fit Test Subject
Troubleshoot PortaCount

Confirm Daily Checks pass
+ Environment is suitable
+ PortaCount is functioning properly
  + Passing the Zero Check is critical

If Daily Checks fail refer to the RESFT 201 Daily Checks presentation
Troubleshoot Respirator

1. Is the respirator donned correctly?

2. Are there signs of respirator wear or damage?

3. Is the Fit Test Adapter installed correctly?
Troubleshoot Respirator

1. Is the respirator donned correctly?

Always refer to respirator manufacturer for instructions

+ Donning a filtering facepiece; [http://www.youtube.com/watch?v=0d_RaKdqec](http://www.youtube.com/watch?v=0d_RaKdqec) (CDC)
+ Donning respirators; [http://www.youtube.com/watch?v=Tzpz5fko-fg](http://www.youtube.com/watch?v=Tzpz5fko-fg) (OSHA)
Troubleshoot Respirator

2. Are there signs of respirator wear or damage?

+ P100 filter installed?
  - for all full- & half-face masks
2. Are there signs of respirator wear or damage?
Troubleshoot Respirator

2. Are there signs of respirator wear or damage?

+ Clean off any dirt or contamination
3. Is the Fit Test Adapter installed correctly?

+ Refer to instructions for installation procedures

+ Even a hairline crack can cause you to fail
Troubleshoot Face Seal Leaks

Facial Profile

• Facial hair
• Higher cheekbones or thinner faces
• Facial scars
• Eyeglasses or other head gear
• Excessive makeup
• Dentures

Smoker?

• Wait 30 minutes prior to fit testing
Troubleshoot Face Seal Leaks

Easy ways for verify fit

User Seal Check

Real Time Fit Factor
Troubleshooting Tools

Quickly responds to changes in mask concentrations, providing a fast diagnosis

with N95 enabled

without N95 enabled
Still having trouble passing?

+ No respirator has a universal fit
  - Try a different make, model, or size of respirator

The employer shall select respirators from a sufficient number of respirator models and sizes so that the respirator is acceptable to, and correctly fits, the user.

-OSHA 29CFR1910.134 C(3)

(Refer to CSA Z94.4-11 section 9.1.3 for comparative statement)
Suspicously High Fit Factors

Fit factors >100,000 can be considered “suspicious”

Verify results with Realtime Fit Factor Display:

1. Open the Real Time Fit Factor Display
2. Slightly break the seal around their face
3. If fit factor doesn’t decrease dramatically... the clear (mask) tube is likely blocked
Summary

+ Troubleshooting Best Practice
  • PortaCount
    ▫ Daily Checks?
  • Respirator
    ▫ Damage? P100 filter? Donned correctly?
  • Fit Test Subject
    ▫ Facial profile? Smoker?

+ Real Time Fit Factor

+ Suspiciously High Fit Factors
Additional Training Material

Online Training Center

- Available at the PortaCount Academy website: [www.tsi.com/PCacademy](http://www.tsi.com/PCacademy)

Answers

- Available at [www.tsi.com/PCacademy](http://www.tsi.com/PCacademy) and [www.tsi.com/portacount](http://www.tsi.com/portacount)