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Nextelligence Newsletter

Issue #6

April 2023



Welcome to the Nextelligence Newsletter!

Welcome to the sixth edition of the Nextelligence Newsletter. We look forward to continuing to provide the latest news in the Nextelligence training community.



What do you consider small?

The importance of cleanliness in a hydraulic system

In this month's edition of the Nextelligence Newsletter, we are going to look at the importance of changing your 3-micron in-tank return line filter. 70-80% of hydraulic system failures are directly related to contamination. In Heil refuse equipment, you should change your in-tank 3-micron return line filter every 6 months or 1000 hours with an OEM Heil filter element. But why you ask? Many filter manufacturers produce a 3-micron filter, but the Heil filter has the ability to filter down

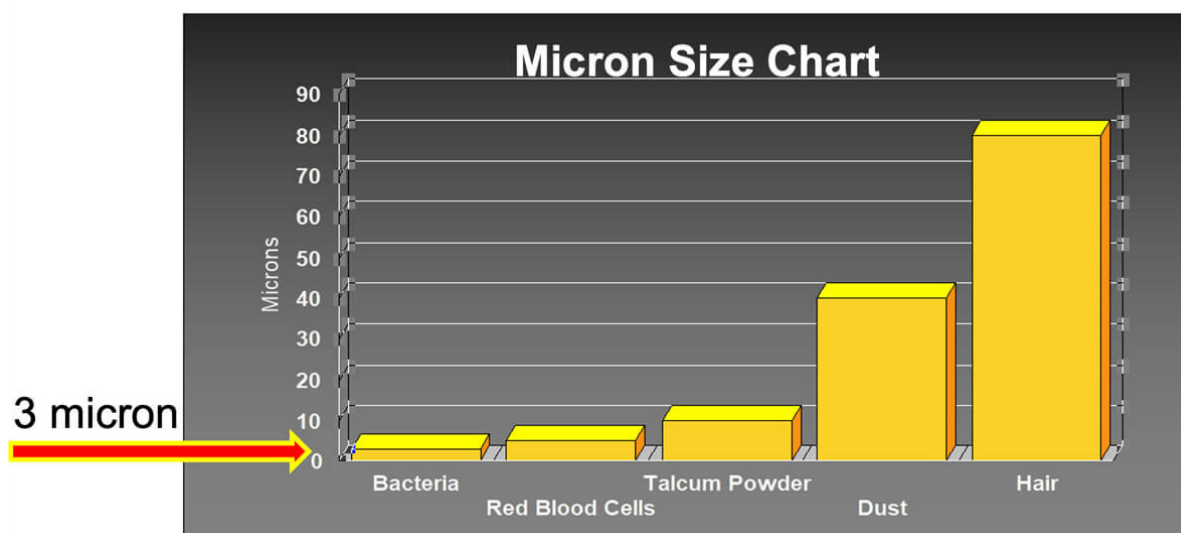
to the 200 Beta (β) ratio, which means a cleaner, healthier, longer-lasting life for your hydraulic system and components. What is Beta ratio and micron, and what does that mean to me?

What is Beta ratio (β) compared to micron (μ)?

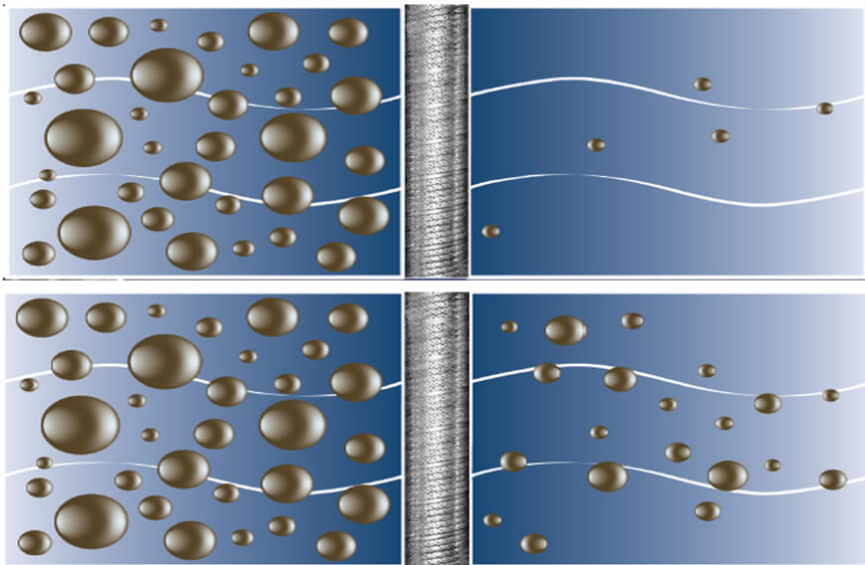


Beta ratio (β) is the ratio of the number of particles of a minimum given size upstream of the filter to the number of particles of the same size and larger found downstream.

Micron is a unit of measure in the metric system that is equal to one-millionth of a meter and one-thousandth of a millimeter. In other words, microns measure things that are very small, even invisible to the naked eye. Let's take a look.



We tested the cleanliness of our hydraulic system with the Heil filter by measuring our 3-micron filters against non-OEM brands. Out of 200 particulates in the system, the Heil filter captured 199 particulates and the non-OEM only captured 100.



Heil OEM 3
Micron In Tank
return line filter.

Non-OEM In tank
filter element.

Would you like to know more about hydraulic system filtering? Good news! We teach that in our Nexteligenz MAT classes. You can get in-depth hydraulic training by contacting us to register for a Nexteligenz MAT class at: Nexteligenz@doveresg.com

Contact Info & Helpful Links

Nexteligenz Class Registration

Feel free to contact us anytime if you have any training questions or to register for one of our training classes.

[Email Training](#)

2023 Nextelligence Training Schedule

Our 2023 Training Schedule is now available and can be viewed via the Nextelligence Training webpage, as well as the Heil Dealer Portal.

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Service Shack

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