



Closed Loop Oil-Handling

Don't be alarmed if you haven't heard the term Closed Loop Oil Handling before. Y2K pioneered this term, to give a name to a better way of handling oils.



Instead of having to carry tools to open oils, instead of opening up oils and shoving hoses or hose wands inside them, instead of leaving the oils open to airborne particulate and instead of having huge oil messes that create safety hazards...

We designed a way to utilize quick disconnects for accessing oils. We didn't invent the quick disconnects and we weren't the first to put them on a piece of equipment, but we did design breather adapters for hydraulic reservoirs, gear boxes, bulk oil tanks (which makes installing quick disconnects a simple procedure) and we had to give this better way of Oil Handling a name.



To appreciate the simplicity one must really make a comparison of the old way and our way of Oil Handling, The Closed Loop Way.

The Old Way

Get a handful of tools, a good supply of rags, floor dry, a broom and dust pan, an old style filter cart and a drum of oil. Take the filter cart out into the plant where more oil is needed. Now clean-up any trail of oil that might have been left from where the filter cart was, to where it is now. Then move the drum of oil out to the same location. Using one of the tools, open the drum of oil, using more of the tools open up the reservoir that needs oil, usually by removing the breather cap assembly. Shove the suction hose from the transfer/filter cart into the new oil (at least wipe the hose before you put it in the oil).



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Now put the outlet hose from the transfer/filter cart into the equipment reservoir (again make an effort to keep this process looking good...wipe the hose). Now turn on the transfer cart. Ignore all of the debris that is freely entering both containers of oil, ignore what might have been inside of the hoses and ignore how this "old way" of oil handling might be adding significant amounts of contamination to the transfer of the oil.

Remove the hoses from both oils and as quickly as humanly possible, return them to the drain pan on the old-style transfer cart. Clean-up the oil spilled from removing these hoses from the oils. Use the tools to return the breather assemblies to the oils and again wipe clean the areas. Before you move the transfer cart, be sure to remove all of the oil that drained out of the hoses and into the drain pan or you'll leave an even bigger trail of oil, to where the cart is next moved.



Our Way (Closed Loop Oil Handling)

(We have an advantage of having many different filter carts, for this exercise our Drum Handling Filter Cart simplifies our example & this process).

Put the drum of new oil onto the Drum Handling Filter Cart and wheel the oil out to where it is needed. Snap the suction hose onto the Drum Breather Kit, snap the outlet hose onto the Reservoir Breather quick disconnect and turn the filter cart on. When finished, remove the quick disconnects and move the cart to where the oil is needed next. This simple comparison is nothing like watching the "real comparison" in action.

The old way of handling oils did nothing for control over ingress, spilled much oil and in our opinion is a primitive way of trying to control contamination. It also illustrates why so many people have had such a hard time trying to clean their oils and keep contamination levels low, when there are no controls over ingress.

We gave a name to a safer and more effective way of handling oils and we designed the products that make this type of oil handling possible.

For more information on Breather Kits or Next Generation Filter Carts, please see our products on our website...or give us a call.



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