



Oil Sampling

Hydraulic Units

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The result of the oil sample analysis depends 95 % on the sampling procedure and where the sample was taken from.

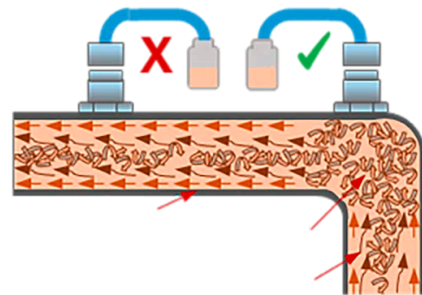
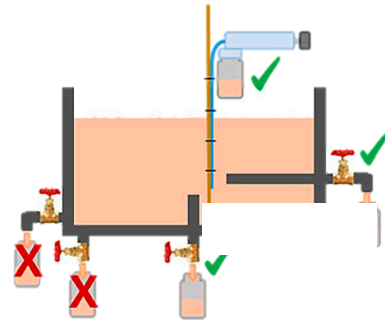
Best Practices when taking Oil Samples

DO NOT obtain an oil sample from the reservoir drain valve. Always take the sample under the cleanest possible conditions and use pre-cleaned bottles.

Always sample from the same pre-determined primary sampling point. The primary sampling point should always be clearly labeled. Fluid analysis should be conducted on regular intervals.

How to operate!

1. Operate the system for at least 30 min before taking a sample in order to distribute the contamination evenly, to achieve a representative oil sample
2. Open the sampling valve and flush at least 1 litre of fluid through your sampling equipment. Do not close the valve after flushing.
(When using a thief tube flush at least 3-4 litres of fluid)
3. When opening the sample bottle, be very careful not to introduce contamination.
4. Half fill the bottle with the system fluid and then rinse the bottle and discard the fluid.
5. Repeat rinsing of the sampling bottle a second time.
6. Collect sufficient fluid and fill the sample bottle.
7. Replace the cap on the sample bottle.
8. Close the sampling valve. (whilst taking the sample do not touch the valve)
9. Label the sample bottle correctly and complete all required details.



The best way to sample is using on-line sampling equipment. Always sample from turbulent flow zones. Always use a stabilizing rod when using a sampling thief tube/gun. Always sample before a filter.

Safety Tips:

- Always wear Personal Protective Equipment whilst conducting fluid sampling and adhere to site-specific safety & environmental requirements.
- Check fluid temperature before starting the sampling procedure.
- Ensure that the bottles material is compatible with the fluid.
- Note the system pressure, and ensure that the sampling equipment is safe for use at the rated pressure.

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