

Schroeder Tech

NOTES

TAKING OIL SAMPLES WITH SCHROEDER CHECK® TEST POINTS

Purpose:

To establish a procedure for obtaining hydraulic fluid samples from an operating system through the use of a Schroeder Check test point/sampling valve. **It is imperative that turbulent conditions exist at the point from which fluid is extracted in order for the sample to be representative of the hydraulic system's current state of contamination.** This procedure assumes that a Schroeder Check test point has been permanently installed at a location where such turbulent flow exists.

Sampling Procedure:

- 1.) To initiate the sampling process, simply screw the Microflex hose end into the Schroeder Check test point until resistance is encountered. This indicates the probe has made contact with the poppet (or ball in the case of ball check test point). The flow rate of the fluid through the hose will be directly affected by the size of the opening created when the poppet or ball is displaced by the probe. Continue screwing down the hose end until the desired flow rate is achieved.
- 2.) Pass a minimum of 200 ml of fluid through the Schroeder Check test point before collecting the fluid into a waste container.
- 3.) Place the sampling bottle in position to collect the fluid. Use a sampling bottle having a contaminant level of least two decades lower than the expected sample as qualified per the American National Standard Procedure for Qualifying and Controlling Cleaning Methods for Hydraulic Fluid Power Fluid Sample Containers, ANSI/B93.20-1972. (NFPA/T2.9.2-1972, ISO 3722-1976).
- 4.) After removing the cap and plastic film from sample bottle, direct the fluid stream through the microflex hose into the bottle mouth.
- 5.) Take a sample of not more than 80% nor less than 50% of the sampling bottle volume.
- 6.) To terminate the sampling process, simply back off the hose gland nut at the Schroeder Check test point, keeping in mind that this operation should be performed before the container is completely filled.
- 7.) Recap the sample bottle immediately.
- 8.) Prior to taking additional samples, flush the microflex hose with a suitable solvent or fluid.

Equipment Available from Schroeder Industries:

Schroeder Check Test Point/Sampling Valves:

Part Number SP1215NPT14P	¼" NPT
Part Number SP1215UN716P	7/16" UNF
Part Number SP1215UN916P	9/16" UNF

Microflex Hose Assembly for Schroeder Check Test Points Shown Above:

Part Number SM2-1215-036	3 feet
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Additional part number available. Contact factory for details.

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