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Airline Part Number: BOM-OILSAMPLEHOSE
List Price: \$100.00
Description: 1620 Series Test Point Connection, Test Point
Hose, Needle Valve, and 90° Fitting



HYDRAULIC FLUID SAMPLING

SCOPE

This standard covers the correct method for sampling conventional mineral based hydraulic fluid in a hydraulic system.

SAMPLING EQUIPMENT

- The sampling valve should be sized to allow a flow rate through the valve of 30 feet per second.
- The sampling must be placed in an elbow or in a place where the flow will be turbulent during normal operation.
- The sampling valve in an open circuit system shall be placed in the return line.
- The sampling valve in a closed circuit shall be placed in the low pressure side of the circuit.
- A sampling bottle that has been cleaned to a known cleanliness level and then capped is required for sampling.
- A container to catch up to one gallon of waste fluid must be available.

SAMPLING PROCEDURE

1. The hydraulic system must be functioning at operating temperature, and maximum speed.
2. Clean the sampling port externally to remove any visual signs of contamination.
3. Open the sampling valve and allow one or two quarts of fluid to pass through the valve and into the waste container.
4. Without closing or moving the sampling valve, open the sampling bottle and fill the bottle by putting it under the fluid stream. (The bottle shall be 50 to 90% filled).
5. Without closing or moving the sampling valve, remove the sampling bottle from under the fluid stream and put the cap on the bottle.
6. Close the sampling valve and properly dispose of the fluid collected in the waste container.

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