

Oil Solutions

Oil sampling Instructions

Before sampling...

- ◆ Clean sample bottles must be used.
- ◆ If a system-sampling valve is used, flush pipe by letting a couple of litres of oil run out before filling the sample bottle.
- ◆ System should be running (or have been running) and be at normal operating temperature to get representative sample . Also Low ambient temperatures increases the oil's viscosity, making it difficult to hand vacuum-pump drawing it off the tank

Sampling with the vacuum pump

- ◆ Attach a suitable piece of flex tube into the pump head.
- ◆ Fit the bottle by screwing it unto the pump head flange.
- ◆ Sink the long end of the tube into the oil. A representative sample should be drawn 5 to 10 cm above the lowest part of the gearbox/tank.
- ◆ Create a vacuum in the bottle by a few pump strokes and watch the oil flow up through the tube and into the bottle. Wait. If the bottle is not filled yet, make one or two gentle pump strokes, carefully watching the oil level in the bottle, which should only be 3/4filled.
- ◆ Unscrew the bottle and cap it immediately.



Common errors

- ◆ Oil enters the vacuum pump cylinder: This may happen if the bottle is not held vertically or if pumping is not stopped when the bottle is full.
- ◆ Cross contamination between samples: May occur if tube end is not cut or cleaned before being pulled out of the pump as this will leave traces of oil in the tube sleeve. These trace may be introduced into the new bottle when the next tube is pushed through the pump head.
- ◆ If the pump is dismantled, take care not to loosen the ball valve or its small o-ring seal as this will prevent the creation of vacuum.

After sampling

- ◆ Complete the enclosed bottle label with the required information and fix the label to the bottle.
- ◆ Return the bottle and coupon in the enclosed carton box to **Oil Solutions**

Oil Service Specialist

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Efficient Filtration Systems