

LIQUID SAMPLING PUMP



CARE AND MAINTENANCE

Ensure that the pump piston can be pulled freely along the length of the cylinder. A few drops of light oil through the hole at the handle end of the pump will lubricate the piston and make pumping easier.

*****Caution*****

Do not over lubricate the piston as this oil may contaminate the sample

PREPARING THE PUMP FOR USE

The knurled tube nut on top of the pump will secure the tubing in position with only one or two turns. Loosen off the knurled tube nut and insert the tubing through the hole until the tube projects about 10-15 mm past the pump body. This is necessary to avoid contamination of the pump with during the sampling. Screw down the knurled tube nut to seal the tubing to the pump body.

HINT The seal is sufficient if the tube cannot be easily withdrawn after tightening the knurled tube nut. Over-tightening past this point is not necessary and may damage the "O" ring seal.

Remove the cap and sealing plug (if included) from the oil sample bottle and screw the bottle onto the pump head.

NOTE Avoid contaminating the cap and sealing plug by placing them in the bag supplied.

The pump is now ready for use.

OBTAINING A SAMPLE

Complete the Sample Description Sheet for the compartment to be tested.

Insert the tube into the compartment to be sampled.

NOTE The tube as supplied is coiled and may curl out of the liquid surface in the compartment preventing suction from occurring. Ensure oil tube is in the oil to be tested.

Operate the piston, holding the pump in one hand, until the bottle is at least $\frac{3}{4}$ full.

HINT Complete filling of the bottle can cause contamination of the pump piston and which in turn can lead to sample contamination on subsequent samples.

Release the vacuum by turning the knurled tube nut anti-clockwise.

Unscrew the bottle from the pump and immediately seal it with the plug seal (if applicable) and cap from the bag supplied.

Place the sample in the bag and seal it and place the sealed sample and the completed Sample Description Sheet into the black dispatch container for on-forwarding to the laboratory.

Withdraw the used tube from the pump head ensuring the pump head does not get contaminated with oil.

Dispose of the used tubing in an appropriate manner.