

CLEAN SAMPLES, PLEASE!



As any medic will tell you, how a specimen is taken is mighty important. The lab can't get you a reading on oil that has dirt and sludge in it.

So, when you requisition sampling equipment thru regular channels—there won't be a sampling kit—be sure you keep all the containers closed.

Here's all the sampling gear you need:

1. Polyethylene sampling tubes:	2. Sampling bottle, FSN 8125-933-4414.	3. Mail bag FSN 8105-290-0340.								
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SIPHON SAMPLE LIKE SO ...

Your sample is either siphoned thru the tube or drained directly into the sample bottle. See the TB for the sampling location and the right size tube to use. Here's the scientific approach—using the tube in an oil tank filler neck.

SAMPLING BIRD DOG ENGINE OIL

Take out dip stick      Insert tube      Siphon your sample

Take the oil tank cap off, open the sample bottle and take off the protective caps on each end of the sampling tube. Cut the ends of the sealed-type tubes. Be sure you don't drop the tube on the ground or get it dirty on the engine ... you want a clean sample.

Hold sample by capping with finger

Oil will not drain easily into sample bottle so ...

Put the tube into the tank but be sure you don't touch the sides or bottom of the reservoir, or you'll get a dirty sample and maybe some sludge in the bargain.

A little air pressure speeds the drainage

Fill the sample to  $\frac{1}{2}$ " from top of bottle

Put cap on tight so bottle won't leak

Put a finger over the tube and lift out your sample, or make with a little mouth suction and hold the sample in the tube with your finger. Fill the bottle until it's within  $\frac{1}{2}$  inch of the top. Put the cap on with a little muscle so the bottle won't leak.

Throw away the sampling tube because a contaminated tube can't be used again.

TAKE DRAIN SAMPLE THIS WAY

DRAIN SLUDGE ...      DRAIN SAMPLE

When you can only get your sample by draining, such as a transmission, chances are there will be some sludge and maybe even water at the drain hole so be sure to take along a quart container to get rid of it.

Open the drain plug and drain enough oil into the quart container to clean the opening and drain lines of sludge. Then drain your sample directly into the sample bottle to within  $\frac{1}{2}$  inch of the top ... no sampling tube needed.

Cap the bottle tight ... and you've got your sample.

