

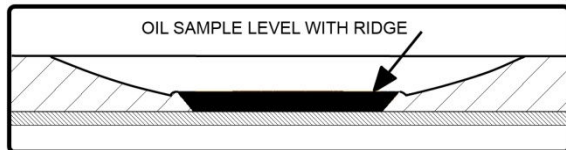
TECH TIP



Oil Sampling

Proper oil sample level

The most common mistake made with the Lubricheck is not using enough oil to get an accurate reading.



It is critical that the surface of the oil sample be level with the top of the ridge, (or ring) at the center of the sample bowl. (see image)

Collecting samples with dip stick and disposable cup

When using only the dip stick to get enough thin or warm oil on the sensor, it can take several dips into the engine. To simplify this process, consider using the dipstick to deposit several drops into a disposable paper or plastic cup. When enough oil is in the cup, turn on the Lubricheck and carefully pour the oil on to the sensor. This will result in fewer spills, and assure that the oil has cooled down, or warmed up, to the ambient or room temperature before it touches the sensor.



Extracting oil from your engine with a plastic tube

By using a 1/4" OD plastic tube, and a hollow coffee stirring stick, (courtesy of your local fast food restaurant), you can quickly get all the oil you need for testing in a few seconds.

1. Push the coffee stirrer into the end of a PVC tube, a foot or 2 longer than the dip stick. **Make sure the stirrer is tight enough not to fall out and stay in your engine!**
2. Mark the tube with a marker or tape to match the dipstick length. (Or, lightly blow into the top end of the tube and listen for bubbling in the oil pan.)
3. Slide the tube into the engine far enough to suck a few drops into the coffee stirrer. (A plastic syringe or eye dropper will reduce the risk of drawing too much oil up the tube.)
4. Seal off the top end of the plastic tube while you pull it from the dip stick tube.
5. If available, drain the oil sample into a disposable cup. This will assure the oil is cooled to room temp before testing, and to help avoid spills.
6. Turn on the Lubricheck and drop a few drops onto the sensor. Discard the coffee stirrer.



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More about temperature

If the Lubricheck and oil sample are at the same temperature, you can get accurate results from **32 to 105F (0 to 40C)**. This applies to all Lubricheck models 8200 and 8350, regardless of the printed instructions that came with the unit.

Note: Warm oil tested on a cold Lubricheck will give too high a reading. Cold oil on a warm Lubricheck will give too low of a reading.

If you have the Lubricheck in a warm place, like your pocket, or in a warm house or car, allow it to sit out in the open air for several minutes to cool down before use. If it has been in a cool place, allow it to warm up in the open air before using. Conversely, a warm or cold oil sample should also be allowed to reach the room or ambient temperature before being placed on the sensor. This can easily be accomplished by placing the oil sample in a disposable cup for a few minutes. Avoid placing the Lubricheck in hot sunshine while testing to avoid solar heating.

