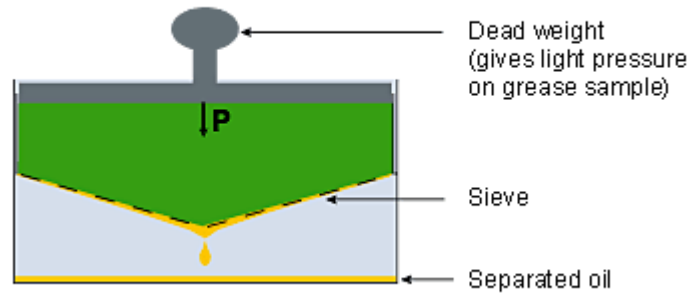


## Oil Separation

Lubricating greases release oil when stored for long periods of time or as a function of temperature. The degree of oil separation will depend upon the thickener and base oil type. A cup is filled with a given quantity of grease (which is weighed before the test) and a 100 gram weight placed on top of the grease. The complete unit is put into an oven at 40 °C for one week. At the end of the week the amount of oil which has leaked out through the sieve is weighed and reported as a % weight loss. SKF measures the amount of oil separation in accordance with DIN 51817 for 168 hrs.

A grease must bleed oil to perform its lubrication role. For this reason a bleed rate, using the standard procedure DIN 51817, of > **1%** is required. If the grease bleeds excessively, > **6%**, it is assumed that the grease lubrication life will be short.

### Test for oil bleeding rate



*DIN 51 817: determination of the % oil separated after one week at 40 °C*

