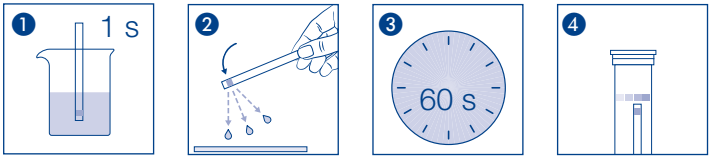
QUANTOFIX® LubriCheck



General Information:
Water miscible cooling lubricants (coolants) are sometimes necessary for certain cutting and shaping processes used in the metal working industry. Such cooling lubricants often contain substances which buffer the solution at an alkaline pH value of approx. 9.
With QUANTOFIX® LubriCheck, the change in alkalinity and hence the coolant concentration can be checked very simply on site.

Pack content:
1 aluminum container with 100 test strips

Measuring range:
15 – 200 mmol/L KOH

Color gradation:
0 · 15 · 50 · 75 · 130 · 200 mmol/L KOH

Hazard warnings:
This test does not contain hazardous substances that must be labelled.

General indications:
Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test fields.

Instructions for use:
Do not apply test sticks under a flowing cooling lubricant stream. Take a sample of preferably circulating coolant, from the machine tool.
1. Dip the test stick with all test pads briefly into the sample of coolant for approximately 1 s.
2. Shake off the excess liquid.
3. Wait 1 min.
4. Compare test fields with the color scale.

Remarks:
QUANTOFIX® LubriCheck is calibrated in mmol/L KOH and thus universally applicable for all water based cooling lubricants.
In order to match the alkalinity values of the color scale with a known concentration of a specific coolant in %, please take the followings steps.
1. Prepare three fresh solutions of different concentrations of the lubricant in use (refer to the optimum, maximum and minimum concentrations in accordance with the manufacturers recommendation).
2. Check the alkalinity of all three solutions with one test strip per sample. The number of blue colored test zones, can be assigned to the relevant concentration in %. Record the results.
3. Now apply a test strip to the sample taken from the machine tool. Compare the number of blue test zones with your recorded values and assess the concentration of the in use coolant in % .

For specific information on applicable concentrations and alkalinity values of particular cooling lubricants, please consult the technical literature of the manufacturers of such products.
Conversion factor if required is: 1 mmol KOH/L = 0.056 mg KOH/g

Storage:
Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature 4 – 30 °C).
If correctly stored, the test strips may be used until the use-by-date printed on the packaging.

Additional information:
The test strip container stopper contains a non-toxic drying agent. If swallowed, drink plenty of water.

Disposal:
Information regarding disposal can be found in the safety data sheet. You can download the SDS from *www.mn-net.com/SDS*.

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