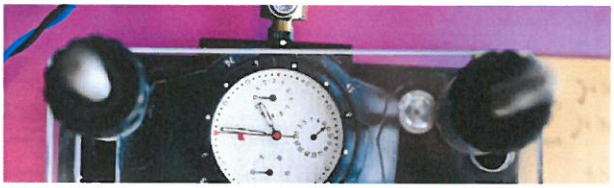
Chronofiable®

Laboratoire Dubois

Ageing of watch functions

ANALYSES CHIMIQUES
CONTRÔLE DES MATÉRIAUX
ASSISTANCE TECHNICO-LÉGALE
CONTRÔLES HORLOGERS ET MICROTECHNIQUES



Watch function qualification is determined by applying accelerated operating cycles, providing optimum simulation of conditions of use. The measurements are used to check the manufacturer's information, and to make comparisons before and after ageing, thereby providing precious help in debugging new products.

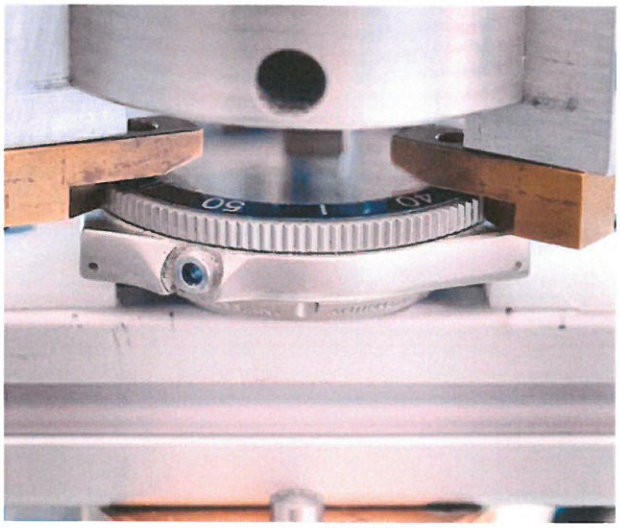
The usual characterisations for the movement and its components include:

- Ageing cycles by means of crown rotations and/or translation for testing the frictions, gear train, winding and mechanisms such as the calendar
- Function ageing cycles of push-pieces, correctors, levers, etc.
- Barrel measurements, and winding and let-down cycles
- Measurements and ageing cycles on springs and ball clicks
- Torque measurements on hands
- Ageing of oscillating weight bearing

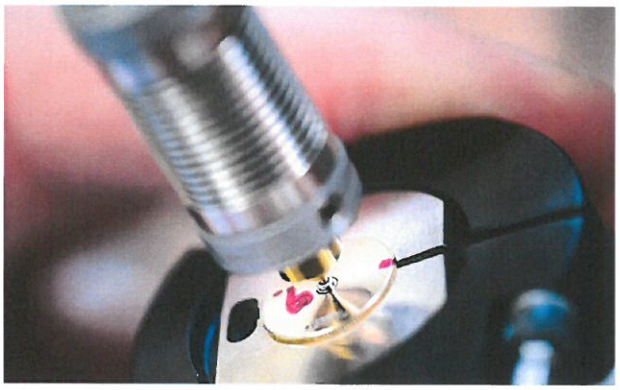
For the watch exterior, we can mention:

- Rotary bezel ageing (rotations, corrosion, sand, etc.)
- Mechanism rotation or translation cycles (levers, covers, case decorations, lugs, bows, racks, screw-in or bayonet crowns, etc.).

Rotation cycles on rotary bezel.



Barrel ageing.



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