	<b>CALIBRES NO. 08</b>		CS08-19-C-008-E	A
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## All mechanical movements except the coaxial escapement

### LUBRICATION OF THE ESCAPEMENT

#### Problem

Unstable amplitude of mechanical movements.

#### Analysis

The lubrication of the escapement may not remain effective over the long term.

#### Solution

In factory production, LUBRIFAR is used for the lubrication of the escapement for all mechanical movements in the current collection.

LUBRIFAR is a mixture of molybdenum-bisulphide (black) and oil 9010 without additive. LUBRIFAR's main advantage over conventional lubricants is its long-lasting effect. The micro-grains store the grease 9415 which completes the lubrication. This method ensures a stable amplitude over a period of several years.

#### Application

In factory production, LUBRIFAR is sprayed on the perimeter of the escape wheel (including the impulse-plane). Due to this treatment a black granular coloration appears on the circumference of the wheel.

Additionally, several small drops of grease 9415 should be placed on several teeth of the escape wheel (or on the impulse-plane of the pallet-stones).

## General

An excessive amount of grease 9415 reduces the effect of LUBRIFAR (diluting effect of LUBRIFAR).

Adjustments to the movement should be made 24 hours after the manipulation. This period is required for activating the grease 9415 and stabilising the amplitude.

If the LUBRIFAR lubrication dries out, it can be reactivated by adding some more grease 9415 in accordance with the above-mentioned procedure (see application page 1).

## Cleaning

When cleaning an escape wheel with LUBRIFAR treatment, whether in a benzine cup or in a cleaning machine, the black granulation disappears. **Once an escape wheel has been cleaned, it can only be lubricated conventionally (grease 9415).**

In a cleaning machine, the last bath in particular has to be perfectly clean.

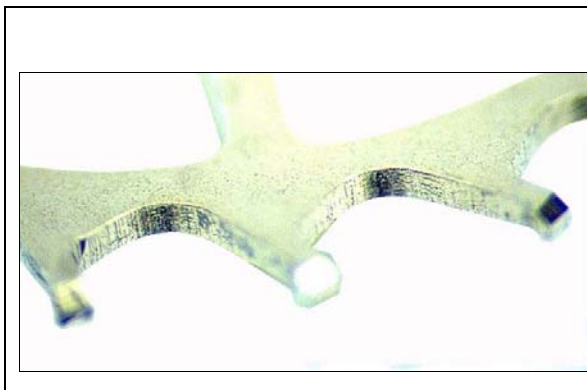
## Recommendation

Instead of cleaning an escape wheel and then lubricating conventionally (which is still possible), the use of a new wheel (pre-lubricated with LUBRIFAR) is recommended. This will ensure a stable amplitude over the long term.

## CS Application

Only escape wheels with LUBRIFAR treatment are available.

Without LUBRIFAR



With LUBRIFAR

