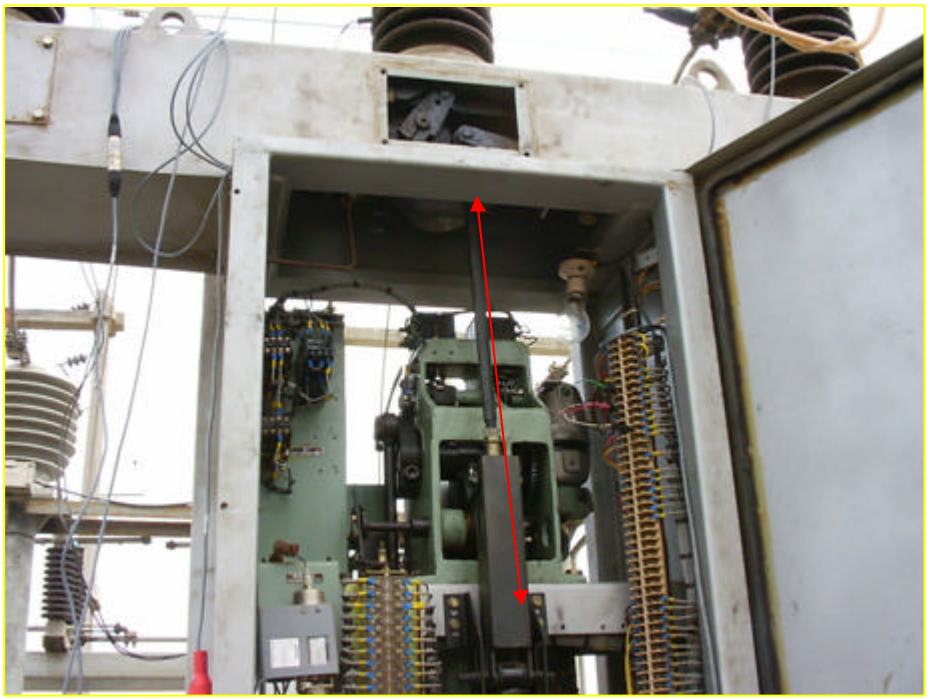
EXAMPLE 14 : CROMPTON GREAVES BREAKER (tests performed in Hidrandina, Peru)

This apparently simple circuit breaker is somewhat challenging when it comes to placing the displacement transducer.

The motion of this mechanism is vertical. The difficult task is to secure the KIT-ZLB linear kit to the moving part of the breaker (shown in red in the photo below), though space seems to be very limited.

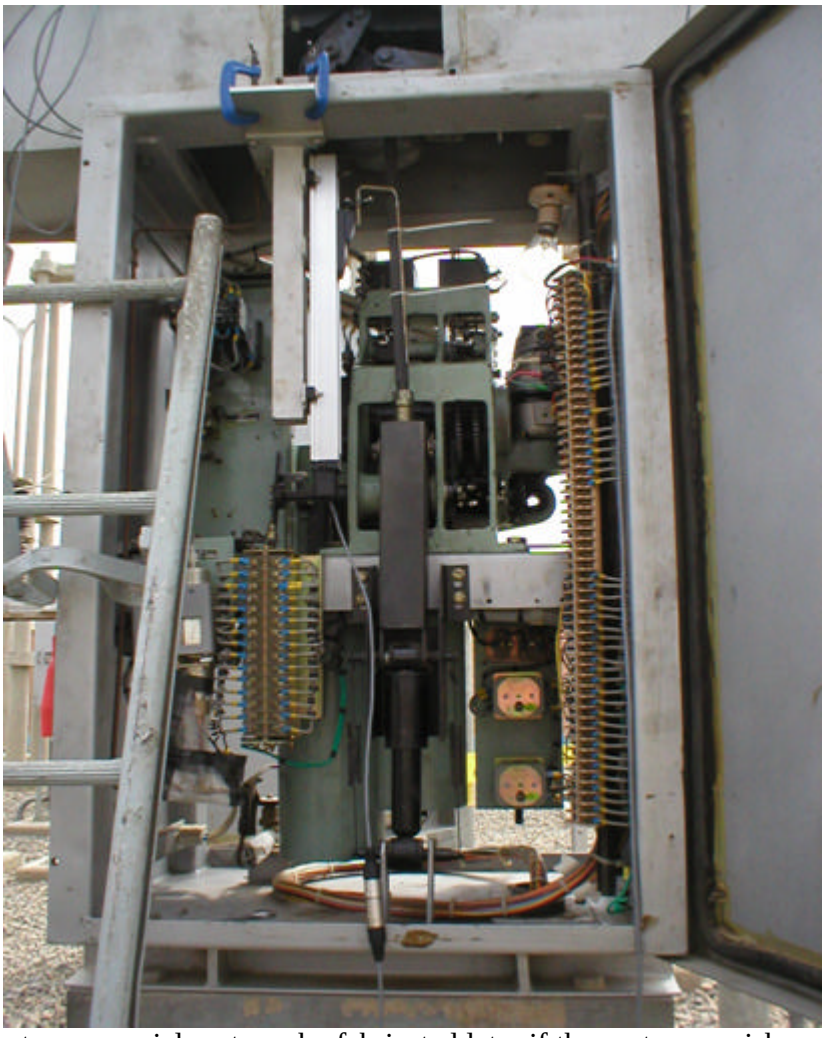


The other challenge is that one is located in the middle of the Peruvian desert without a machine shop in the area that can fabricate a specific part.

In these peculiar conditions, one of the technicians present thought of a temporary solution, as shown below.

Even if this setup seems rudimentary, it has proven quite effective, as shown in the results presented on the next page.

The solution consists of mounting the kit upside-down and to link the transducer to the breaker with a curved rod, attached to the breaker with cable ties (tie-wraps).

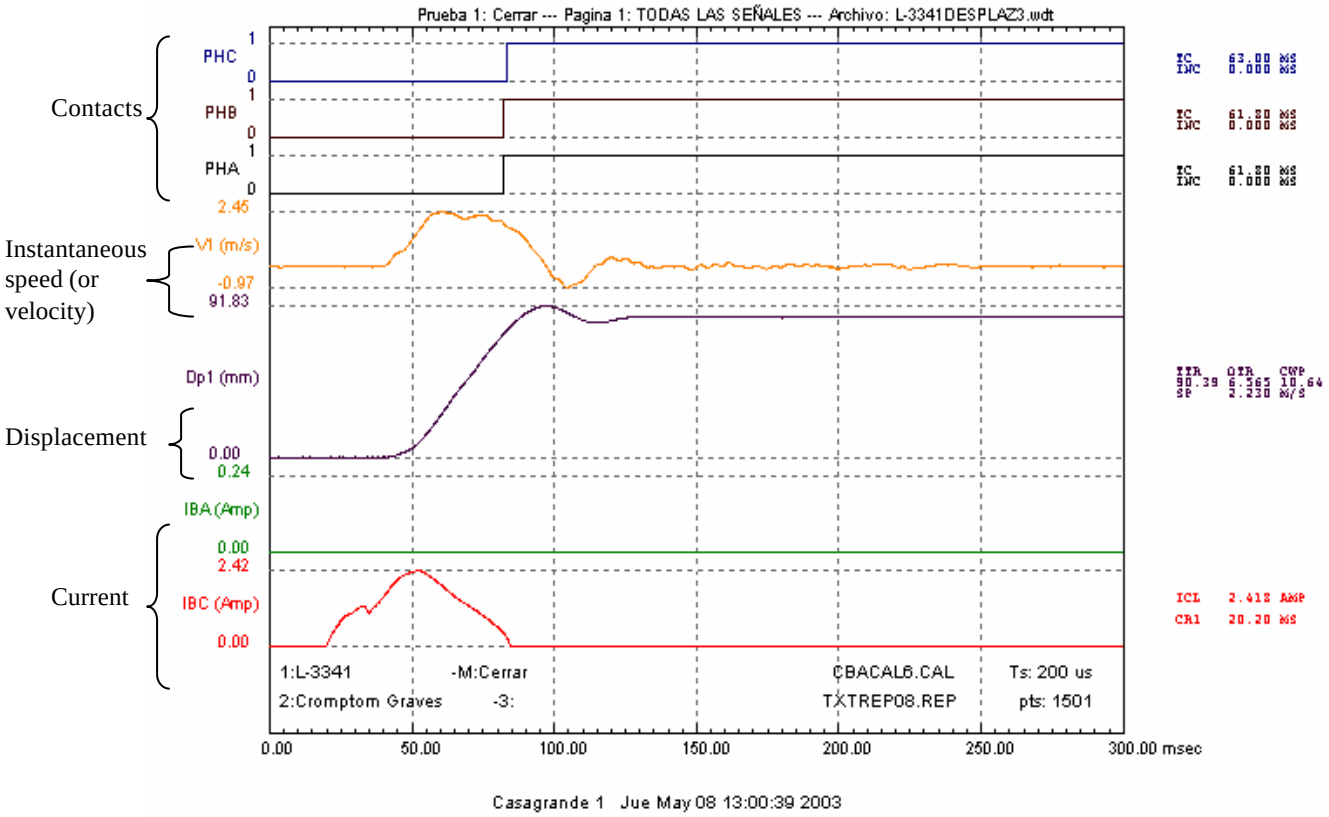


Based on this setup, a special part can be fabricated later if the customer wishes, when they have returned to their offices.

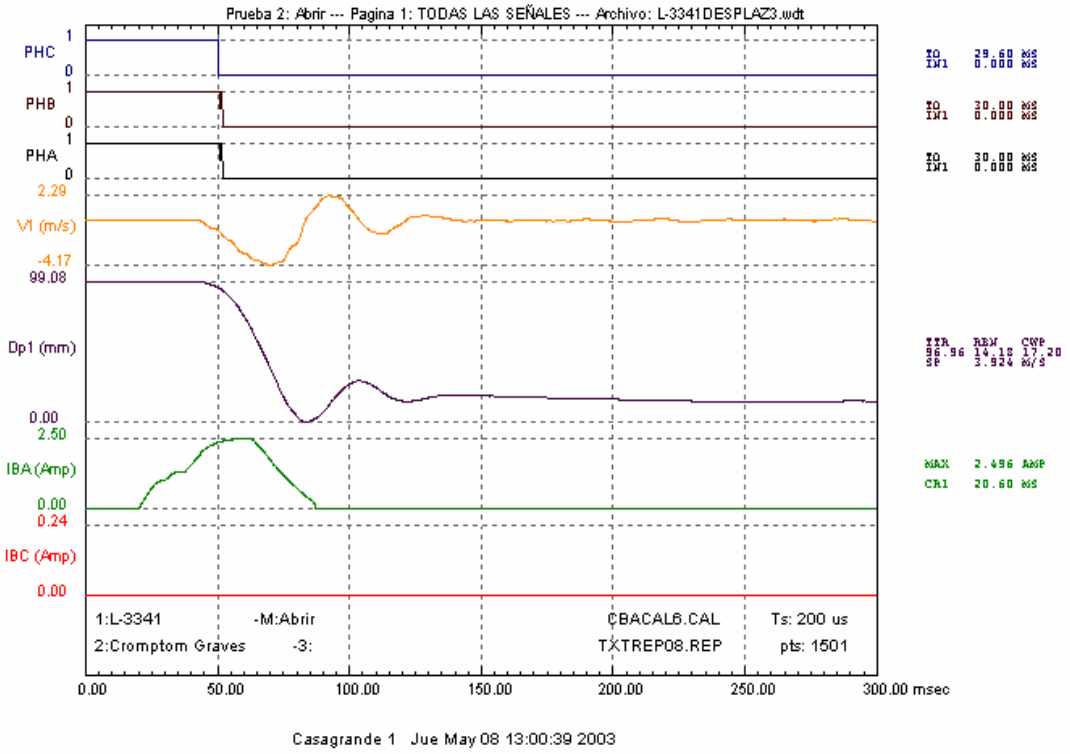
Also, to remember this setup, the customer has placed this photo directly in this breaker's test plan in the CBA Win software.

7075 Place Robert-Joncas #139, St Laurent, QC, H4M 2Z2, Canada Tel: (514) 333-3488 Fax: (514) 333-3499
www.zensol.com E-mail: zensol@zensol.com

Results obtained on Close operation with the CBA WIN software.

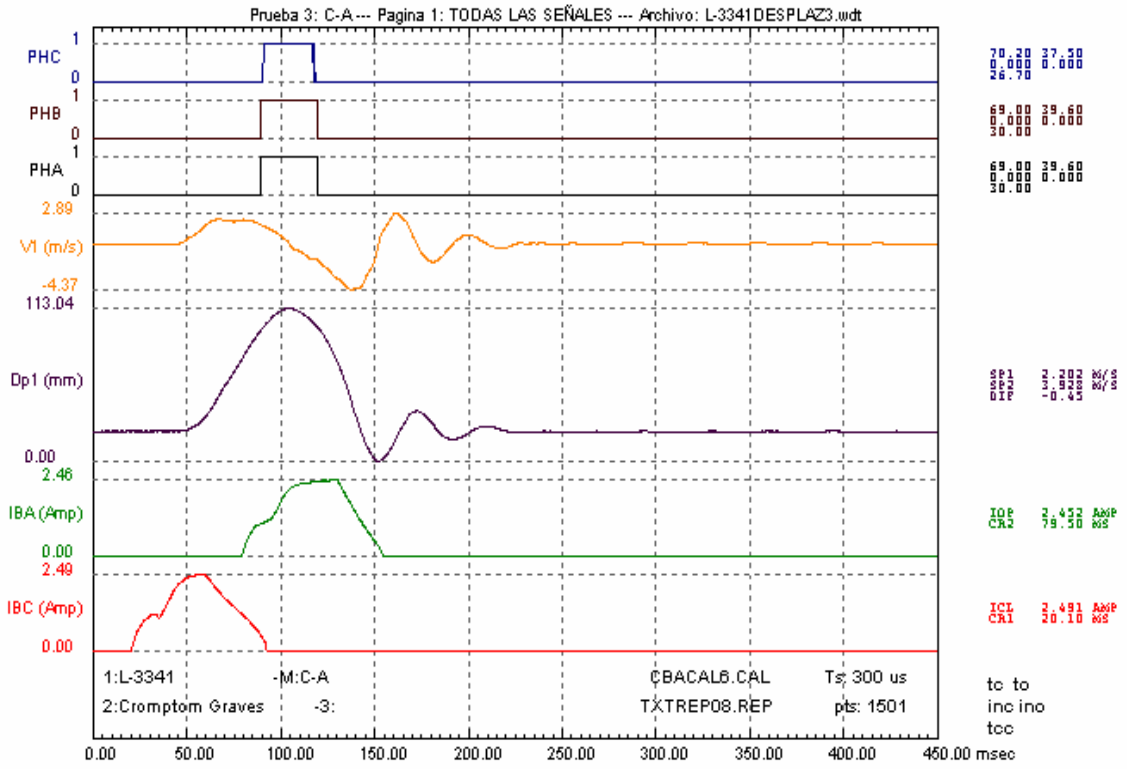


Results obtained on Open operation with the CBA WIN software.



7075 Place Robert-Joncas #139, St Laurent, QC, H4M 2Z2, Canada Tel: (514) 333-3488 Fax: (514) 333-3499
www.zensol.com E-mail: zensol@zensol.com

Results obtained on Close-Open operation with the CBA WIN software.



Casagrande 1 Jue May 08 13:00:39 2003