

Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

G-33-3

OTTAWA April 16, 1971.

INTERCHANGEABILITY OF MODULES IN ROCKWELL TURBOMETERS

Apparatus

All Rockwell Turbometers covered under Approval Circular G-33-2. Circular G-33-2 remains in force.

Description

It has been established that the accuracy of a Rockwell Turbometer is an attribute of its measurement module and the body in which the module is housed has little or no effect on the performance provided the body conforms to the manufacturing specification. Approval has therefore been granted to allow modules to be interchanged between bodies of the appropriate size.

All Turbometers will receive their initial test and inspection at the manufacturers plant. Modules which are shipped separately will have received test and inspection in conjunction with a standard body and similarly no body will be shipped separately unless it has been satisfactorily tested in conjunction with a module. All inspected bodies will henceforth be marked with a crown or other identifying inspection mark to avoid the necessity, otherwise, of keeping track of inspected bodies by means of a serial number. The serial number and company number apply only to the module.

The bodies of meters now in service received their certification, so to speak, when the meters were originally inspected and an opportunity should be found to seek out and mark all those put into service prior to the issue of this approval notice.

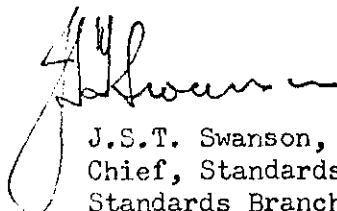
When a meter is inspected the compartment of the module which contains the change gears is sealed by the inspector. It should be noted, however, that it is possible to service and/or replace some components of the module without breaking this seal. As such, servicing is very likely to alter the basic accuracy of the module, it is strongly recommended that the module be returned to the manufacturer for such service. Following such servicing it is required that the module be government inspected against a flow standard.

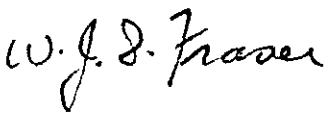
Servicing or replacement of components in the change gear compartment of the module, other than the change gears themselves, does not alter the basic accuracy of the meter. Therefore, if (and only if) there is a previous field note record showing that the change gears have not been altered, a "spin test" may be done in place of a flow test when re-inspecting and re-verifying the meter.

When a Turbometer meter is inspected the numbers of the change gears shall be recorded on the Field Note.

Approval granted to:

Rockwell Manufacturing Company
of Canada Limited,
Guelph, Ontario.


J.S.T. Swanson, P. Eng.,
Chief, Standards Laboratory,
Standards Branch.


W.J.S. Fraser,
Chief, Electricity and Gas Division,
Standards Branch.

Ref: SL-100-978
SE-85-41