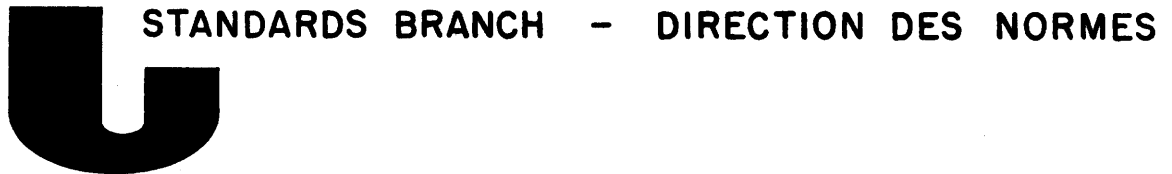




Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

G-64-1

OTTAWA November 17, 1971.

Exchangeability
INTERCHANGEABILITY OF MODULES IN CANADIAN
SERIES GT TURBINE GAS METERS

Apparatus

All Canadian Gas Turbine Meters covered under Approval Circular G-64. Circular G-64 remains in force.

Description

It has been established that the accuracy of a Canadian Turbine Meter 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 permit interchangeability of modules on the Canadian Series GT Turbine Meters. This approval in effect makes the module the basic metering unit and the body merely part of the pipeline.

This approval is subject to the following conditions:

- (a) all Turbine meters will receive their initial test and inspection at the manufacturer's plant.
- (b) modules which are sold or shipped without body will have received test and inspection in a standard body held for that purpose at the plant.
- (c) no body will be shipped separately unless it has been satisfactory tested in conjunction with a module.
- (d) all inspected bodies, whether sold separately or fitted with a module, shall henceforth be permanently marked with a crown or other suitable identification.

- (e) the serial number applies only to the module and shall be affixed thereto (not to the body).
- (f) the company number may be affixed to either the module or the case of the meter in accordance with utility's standardized procedure and the same number may be retained after the module is exchanged.
- (g) following inspection, the module need not be sealed by the inspector to the body, but the utility, of course, must apply its seal instead. Access to the gear change box, however, shall be effectively prevented by means of a government seal.

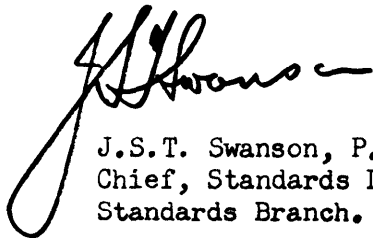
The bodies of meters now in service received their certification, so to speak, when the meters were originally inspected and an opportunity should be found to seek out and mark all those put into service prior to the issue of this approval notice.

Although the compartment of the module which contains the change gears is sealed by the inspector, 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, and it is strongly recommended that the module be returned to the manufacturer for such service.


Servicing or replacement of components in the change gear compartment of the module does not alter the basic accuracy of the meter, unless the change gear ratio has been altered. The access to this compartment cannot be gained however, unless the government seal is broken. Following any servicing it is required that the module be government inspected against a flow standard.

Approval granted to:

Canadian Meter Company Ltd.,
Milton, Ontario and Edmonton, Alberta.



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



W.J.S. Fraser,
Chief, Electricity and Gas Division,
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Ref: SL-100-112C
SE-85-40