



CANADA

SW.A-500

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

OTTAWA, March 26, 1964

APPROVAL LISTING

EKA MODEL 1G32 FUEL OIL METER

Under the provisions of the Weights and Measures Act, Chapter 292, R.S.C. 1952, and Regulations thereunder (P.C. 6894), the apparatus specified and illustrated herein has been listed as an approved device and may be used in Canada in accordance with the conditions applicable.

Apparatus Listed: Eka Model 1G32 Slow-Flow Fuel Oil Meter, manufactured by Aktiebolaget Ljungmans Verkstader, Malmo, Sweden and distributed in Canada by Public Fuel Transmission Systems Ltd., 1489 Merivale Road, Ottawa.

Rating of Apparatus: 0.50 to 2.0 GPH of No. 2 fuel oil.


Conditions: As prescribed in P.C.6894, and with the following additional requirements:

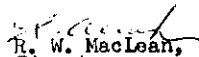
1. The meters must be within a tolerance of $\pm 0.35\%$ on original inspection, and within 0.5% in excess and 0.35% in deficiency on subsequent inspections.
2. The meters may be installed only in fuel oil distribution systems previously approved by the Standards Branch, Ottawa.

Application: These meters are approved only for the measurement of No. 2 fuel oil to household oil burners. The oil is supplied under gravity head or pump pressure from a central storage by an underground piping distribution system. Means are provided in the system for air elimination, and a filter is installed immediately ahead of each meter.

Description: This meter is specifically designed for metering of fuel oil to homes. It has a single piston, the motion of which is transmitted by the piston rod to a snap-action mechanism that controls a slide valve. When the slide valve changes its position, it reverses the flow of oil to the piston chamber, and thus the piston measures on both forward and reverse strokes. Calibration is effected by adjusting the point of the piston travel where the valve snaps to the alternate position. The movement of the snap-action arm is transmitted to the register by a two-arm rocker assembly which engages with the register sprocket during the latter part of each stroke.

Testing: Special test procedures as specified by the Standards Branch, Ottawa, shall apply.


C. S. Phillips,
Chief, Weights & Measures Division,
Standards Branch.


R. W. MacLean,
Director,
Standards Branch.

Ref: A-699

EKA MODEL IG32 FUEL OIL METER

