



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

S.WA-687

OTTAWA, December 12, 1967.

APPROVED : WESTEEL-ROSCO - CALIBRATION MARKER FOR VEHICLE TANKS - MODEL 100-E

manufactured by: Westeel-Rosco Limited, Toronto

Apparatus Listed: Single marker assembly for vehicle tank compartments.

Rating of Apparatus: The assembly may be used in any vehicle tank compartment for which it is suitable.

Conditions: This marker assembly shall be located sufficiently close to the centre of the compartment, both laterally and longitudinally, that if the vehicle tank is off level by 1° the error in the capacity does not exceed $\pm 0.125\%$.


Description: This marker assembly is designed to be bolted to a suitable, rigid, support, which in turn is welded or brazed to the dome opening neck.


When the finger has been adjusted to the proper level by turning the stud with a screw driver in the slot at the top, the castellated nut is tightened against the top arm of the marker so that the washer at the bottom of the stud bears against the bottom arm--this prevents vertical movement of the stud. The castellated nut is sealed by passing sealing wire between the castellations, through a hole at the top of the stud, and a hole in the top arm and sealing with a lead seal. Tightening the jam (lower) nut against the top arm prevents any rotation of the stud by vibration and reduces the stress on the sealing wire. The finger is restrained from turning on the stud by the marker bracket, which passes through a guide in back of the finger.

Testing: When calibrating a vehicle tank using this marker, the support bracket should be checked to ensure that it is rigid and securely attached to the dome opening neck by welding or brazing. Markers cannot be welded directly to the dome neck, as this means of support is generally inadequate. The marker should be securely spot-welded to the support bracket so that it is not easily broken off by loading spouts. As an alternative to welding, the marker may be bolted to the support bracket with at least two of the $\frac{1}{4}$ " dia. bolts provided, and sealed to it with a lead-wire seal, or lightly welded to prevent relocation.

Reference: SW-18-1

Note: Approval is granted under the Weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6894) for use in Canada under the general conditions of P.C. 6894, and under any special conditions listed above.


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