

National Standards Commission



Certificate of Approval

No 8/45

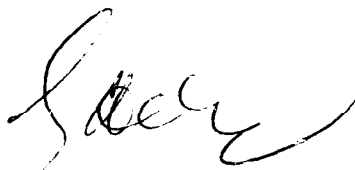
Issued under Regulation 9
of the
National Measurement (Patterns of Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of
the

Mauri Brothers & Thomson Model DD2 Farm Milk Tank

submitted by T J Hehir
RMB 1215 John Allan Road
Kyabram VIC 3620.

Signed and sealed by a person authorised
under Regulation 9 of the National
Measurement (Patterns of Instruments)
Regulations to exercise the powers and
functions of the Commission under this
Regulation.



CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/8/96.

This approval expires in respect of new instruments on 1/8/97.

Instruments purporting to comply with this approval shall be marked NSC No 8/45 and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the drawings and specifications lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Note:

This approval certifies only that the pattern tested met the metrological requirements of Australian Standard AS 1187-1988 for *Refrigerated Farm Milk Tank-units*.

DESCRIPTIVE ADVICE

Pattern: approved 29/7/91

- A Mauri Brothers & Thomson model DD2 horizontal farm milk tank of 27 600 L capacity.

Technical Schedule No 8/45 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/45 dated 5/11/91
Technical Schedule No 8/45 dated 5/11/91 (incl. Test Procedure)
Figure 1 dated 5/11/91



National Standards Commission

TECHNICAL SCHEDULE No 8/45

Pattern: Mauri Brothers & Thomson Model DD2 Farm Milk Tank.

Submitter: T J Hehir
RMB 1215 John Allan Road
Kyabram VIC 3620.

1. Description of Pattern

A Mauri Brothers & Thomson model DD2 horizontal cylindrical refrigerated farm milk tank of 27 600 L capacity (Figure 1) incorporating a sight-gauge for indicating the measurement of the volume.

1.1 Details

- (i) The tank is a horizontal stainless steel cylinder sheathed in an outer casing of mild steel; the cavity between is filled with insulating material. The bottom slopes towards the outlet control valve, which is also the inlet.

A milk-sampling valve is fitted to the tank.

- (ii) A single sight-gauge mounted in a vertical position is located in the vicinity of the inlet/outlet valve and comprises a polycarbonate sight-tube of 32 mm outside diameter encased in a rigid support channel fixed to the end of the tank adjacent to a stainless steel scale.

The scale is graduated in 50 L increments from 500 L to maximum capacity.

- (iii) The tank is permanently fixed in its prescribed position and slopes towards the outlet at a gradient of not less than 1:220, with reference to the datum level marks permanently marked on the tank. The volume represented by the datum level marks is marked on the sight-gauge.
- (iv) Provision is made for a CIP (clean-in-place) system for both the tank and the sight-gauge.
- (v) A side entry opening is provided for inspection.

1.2 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.3 Markings

The following is marked on a nameplate permanently attached to the instrument in a clearly visible location:

Manufacturer's name or mark

Model number

Serial number

NSC approval number

Maximum capacity

Year of manufacture

NSC No 8/45

..... L

In addition, the volume represented by the datum level marks shall be marked on the sight-gauge scale.

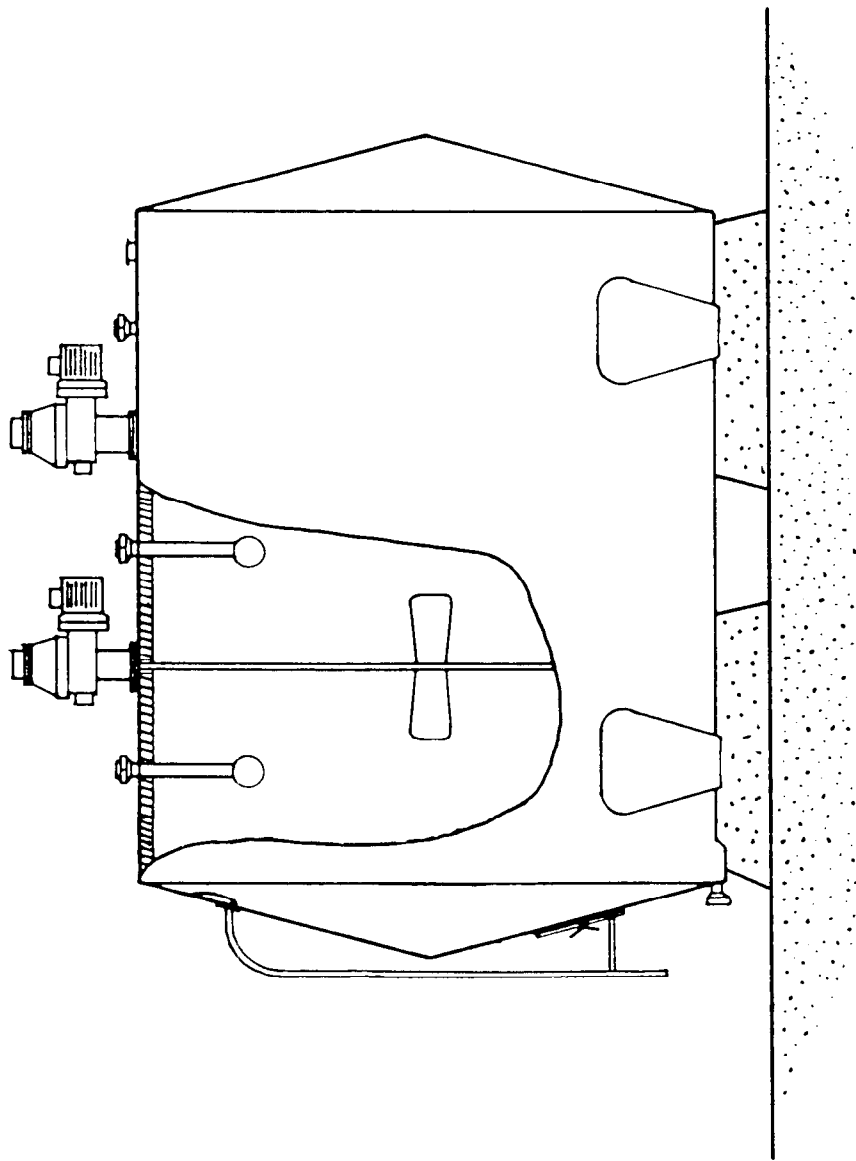
TEST PROCEDURE

Instruments should be tested in conjunction with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Error at Verification/Certification

The maximum permissible error for farm milk tanks incorporating a sight-gauge is ± 1 scale interval.

FIGURE 8/45 - 1



Mauri Brothers & Thomson Model DD2 Farm Milk Tank