



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation Certificate of Approval No 8/61

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

Tamar Model TD 5500 V Milk Tank

submitted by Foley Industries
 46 Cameron Street
 Launceston TAS 7250

has been cancelled in respect of new instruments as from 1 March 2001.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission



Certificate of Approval

No 8/61

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

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

Tamar Model TD 5500 V Milk Tank

formerly submitted by	Tamar Designs Pty Ltd
now submitted by	Foley Industries 46 Cameron Street Launceston TAS 7250.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 September 1999, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 8/61 and only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation 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.

DESCRIPTIVE ADVICE

Pattern: approved 19 August 1994

- A Tamar model TD 5500 V vertical milk tank of 5500 L capacity incorporating a sight-gauge for the measurement of the volume.

Variant: approved 19 August 1994

1. Other models as listed in Table 1.

Technical Schedule No 8/61 describes the pattern and variant 1.

Variant: approved 4 September 1998

2. Other models as listed in Table 2.

Technical Schedule No 8/61 Variation No 1 describes variant 2.

FILING ADVICE

Certificate of Approval No 8/61 dated 15 November 1994 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 8/61 dated 30 November 1998

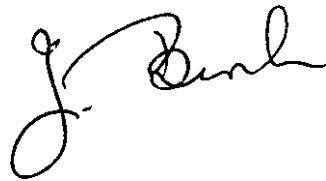
Technical Schedule No 8/61 dated 15 November 1994 (incl. Table 1 & Test Procedure)

Technical Schedule No 8/61 Variation No 1 (incl. Table 2 & Notification of Change) 30 November 1998

Figures 1 and 2 dated 15 November 1994

Figures 3 to 5 dated 30 November 1998

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

A handwritten signature in black ink, appearing to read 'J. Burt', is written in a cursive style.



National Standards Commission

TECHNICAL SCHEDULE No 8/61

Pattern: Tamar Model TD 5500 V Milk Tank.

Submittor: Tamar Designs Pty Ltd
Main Road
Exeter TAS 7275.

1. Description of Pattern

A Tamar model TD 5500 V vertical cylindrical refrigerated milk tank of 5500 L capacity (Figures 1 & 2, and Table 1) incorporating a sight-gauge for the measurement of the volume.

1.1 Details

- (i) The tank is a vertical stainless steel cylinder sheathed in an outer casing of stainless steel; the cavity between is filled with insulating material.

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 outlet valve (Figure 1) and comprises a transparent sight-tube fitted in a rigid stainless steel support channel fixed to the side of the tank adjacent to a stainless steel scale. The sight-tube is made of a suitable plastic material.

The scale has provision for a lead or a lead and wire seal to be attached to the scale mounting assembly.

The scale is graduated with a maximum scale interval of 20 L. When required, a ladder is provided adjacent to the sight-gauge to allow reading of the scale.

- (iii) Levelling is effected by means of 5 legs, four of which are adjustable, with reference to the datum level marks permanently marked on the tank. The volume represented by the datum level marks is marked on the nameplate.

Each adjustable leg has provision for fixing the leg to the floor, and provision for a lead and wire seal to be attached, after levelling.

- (iv) Provision is made for a CIP (clean-in-place) system for both the tank and the sight-gauge.

- (v) Access for inspection is provided.

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	NSC No 8/61
Maximum capacity L
Datum level L

2. Description of Variant 1

Other models and capacities as listed in Table 1. Tank capacities may be in 1000 litre increments between 6000 and 30 000 litres; in addition there is a tank of 20 500 litre capacity. The model numbers are in the form 'TD **** V' where **** is the capacity in litres, e.g. the pattern is model TD 5500 V of 5500 litre capacity.

TABLE 1

Model Number	Maximum Capacity (litres)	Number of legs	Maximum Scale Interval (litres)
TD 5500 V	5500	5	20
TD 6000 V	6000	5	20
..... to TD 10000 V	10 000		
TD 11000 V	11 000	5	50
..... to TD 20000 V	20 000		
TD 20500 V	20 500	9	50
TD 21000 V	21 000	9	50
..... to TD 30000 V	30 000		

Approved Models and Capacities

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 at verification/certification for milk tanks incorporating a sight-gauge is ± 1 scale interval.

TECHNICAL SCHEDULE No 8/61
VARIATION No 1

Pattern: Tamar Model TD 5500 V Milk Tank.

Submittor: Foley Industries
46 Cameron Street
Launceston TAS 7250.

1. Description of Variant 2

Any model of the Foley FV series (Figure 3) listed in Table 2. Tank capacities may be in 1000 increments between 6000 and 30 000 litres; in addition there is a tank of 20 500 litre capacity. The model numbers are in the form 'FV ****' where **** is the capacity in litres, e.g. the model FV 15000 is of 15 000 litre capacity.

The sight-gauge assembly (Figure 4) has a modified mounting and sealing method to that of the pattern. The leg assemblies (Figure 5) have a different levelling and sealing arrangement to the pattern.

NOTIFICATION OF CHANGE

In Technical Schedule No 8/61 dated 15 November 1994 the reference to the submittor should be amended to read:

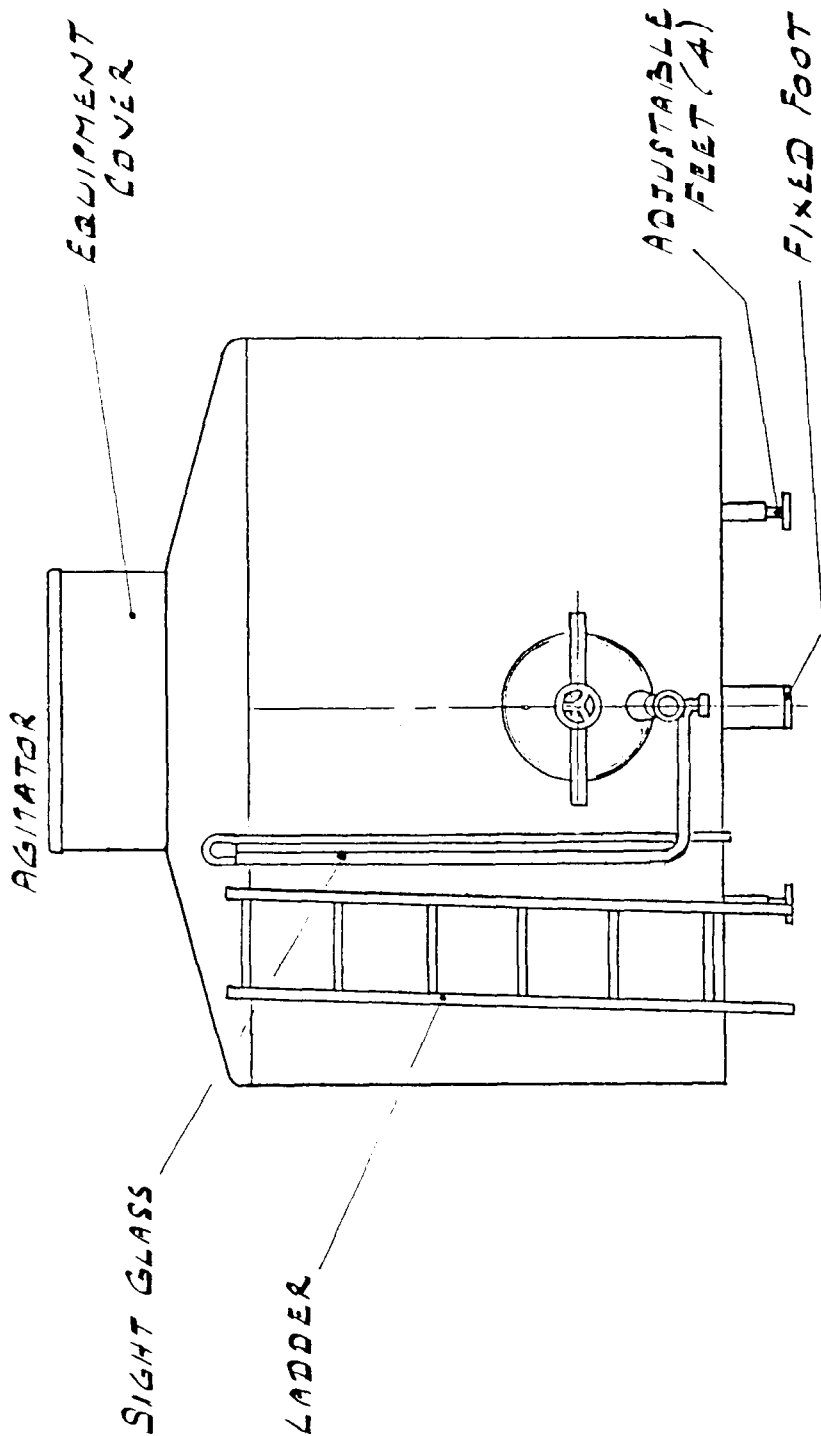
Foley Industries
46 Cameron Street
Launceston TAS 7250.

TABLE 2

Model Number	Maximum Capacity (litres)	Number of Legs	Scale Interval (litres)
FV5500	5500	5	20
FV6000	6000	5	20
.....	to		
FV10000	10 000		
FV11000	11 000	5	50
.....	to		
FV20000	20 000		
FV20500	20 500	9	50
FV21000	21 000	9	50
.....	to		
FV30000	30 000		

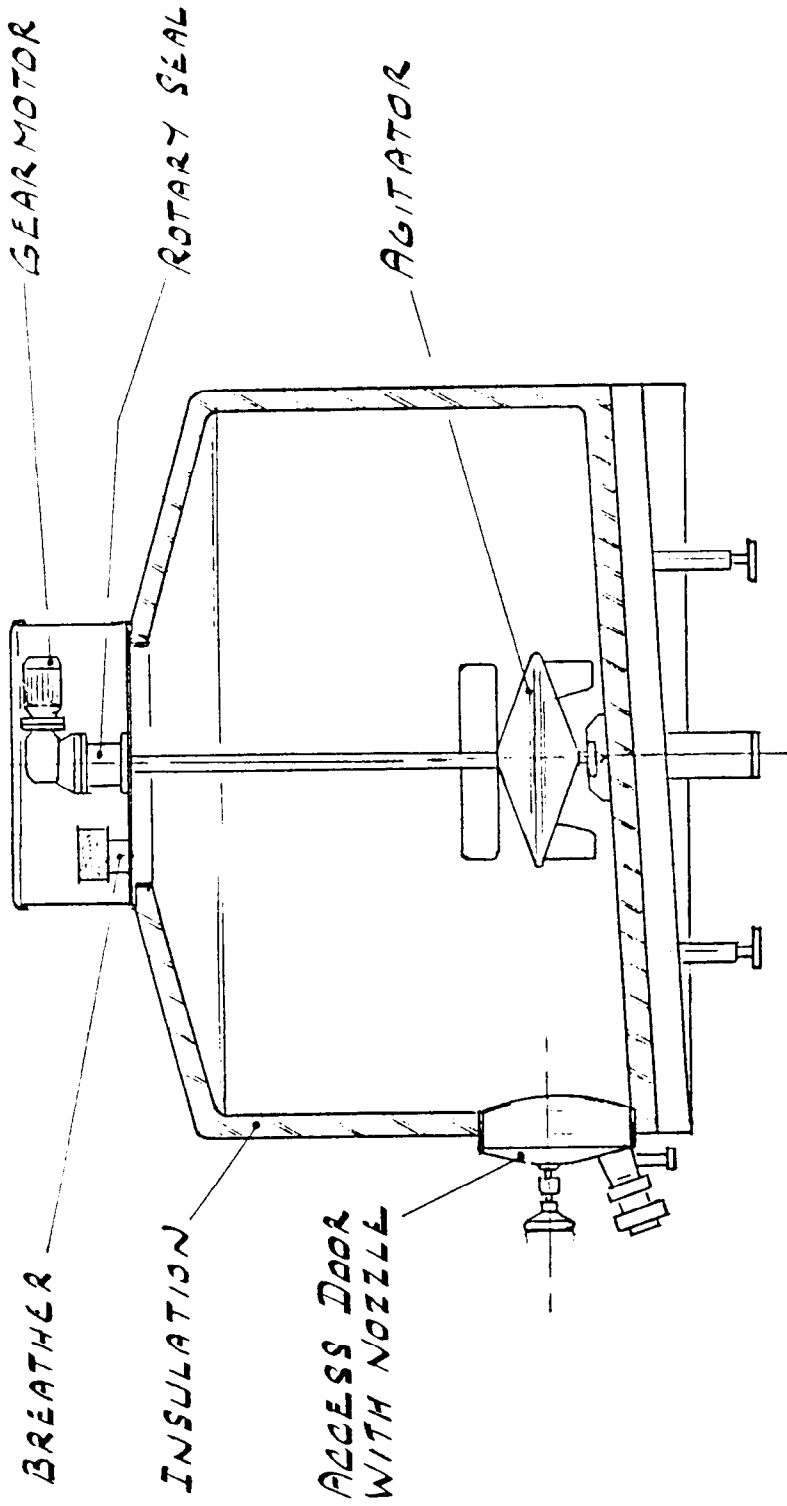
Approved Models and Capacities - Variant 2

FIGURE 8/61 - 1



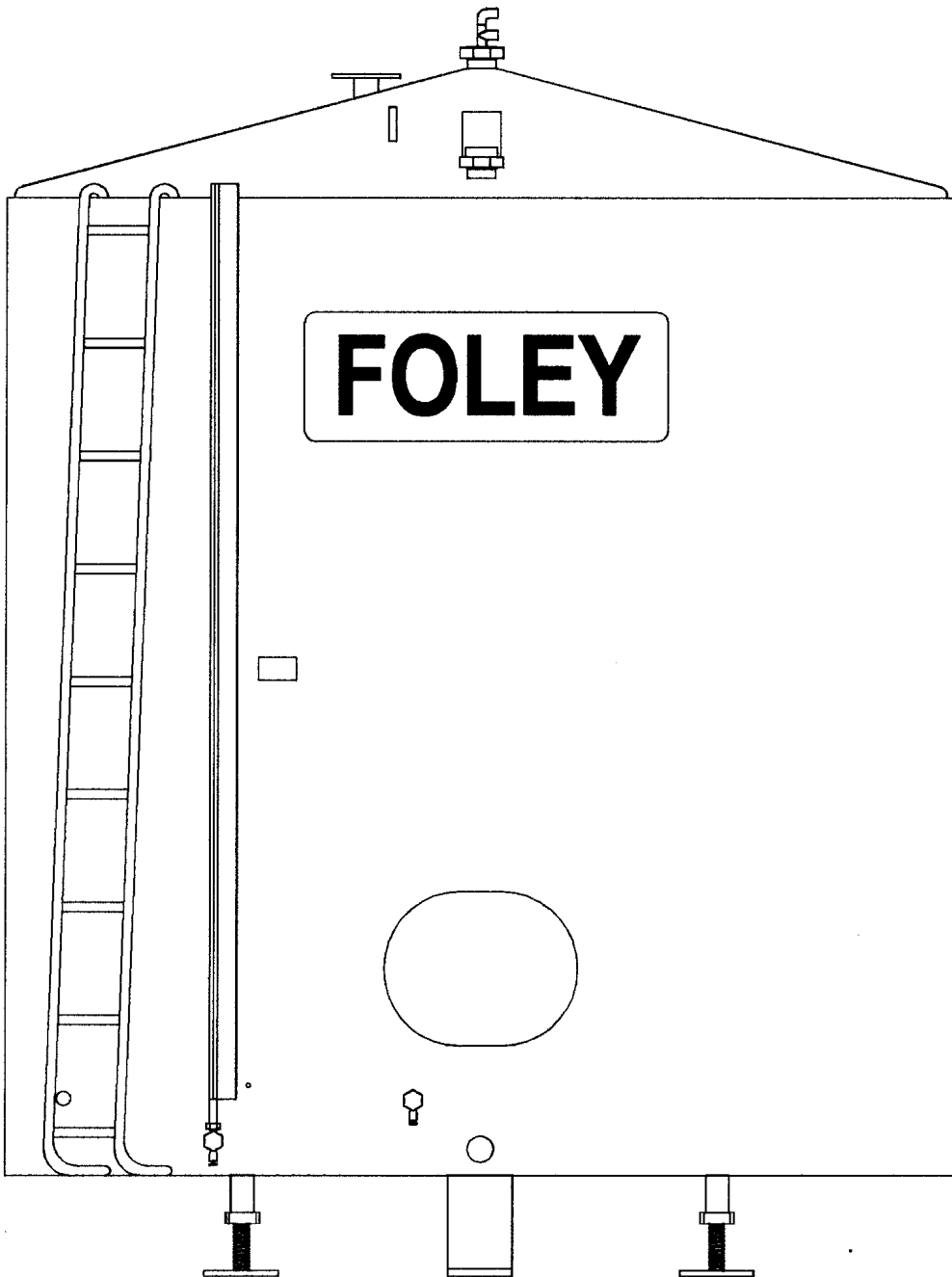
Tamar Model TD 5500 V Milk Tank

FIGURE 8/61 - 2



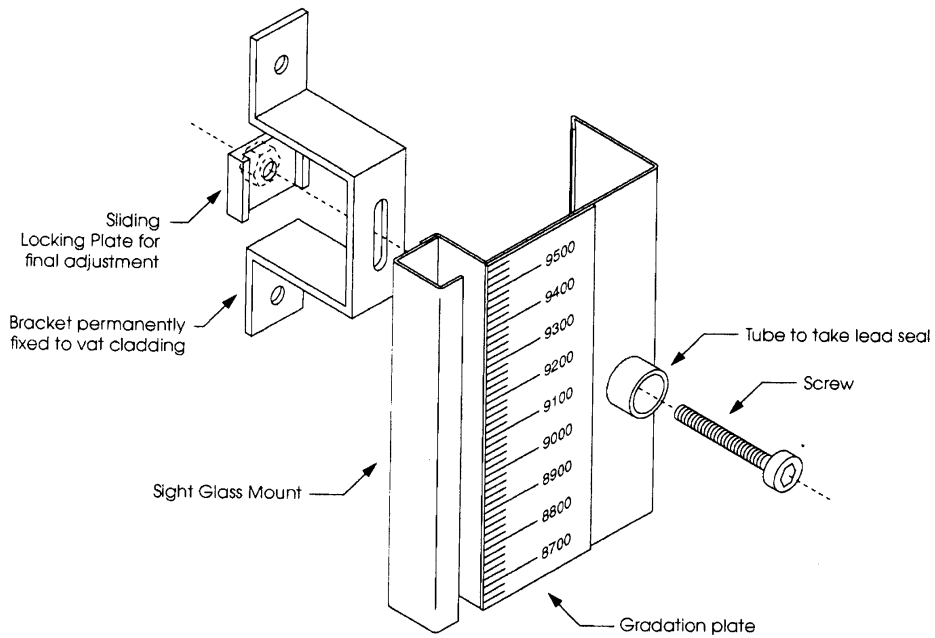
Tamar Model TD 5500 V Milk Tank

FIGURE 8/61 - 3



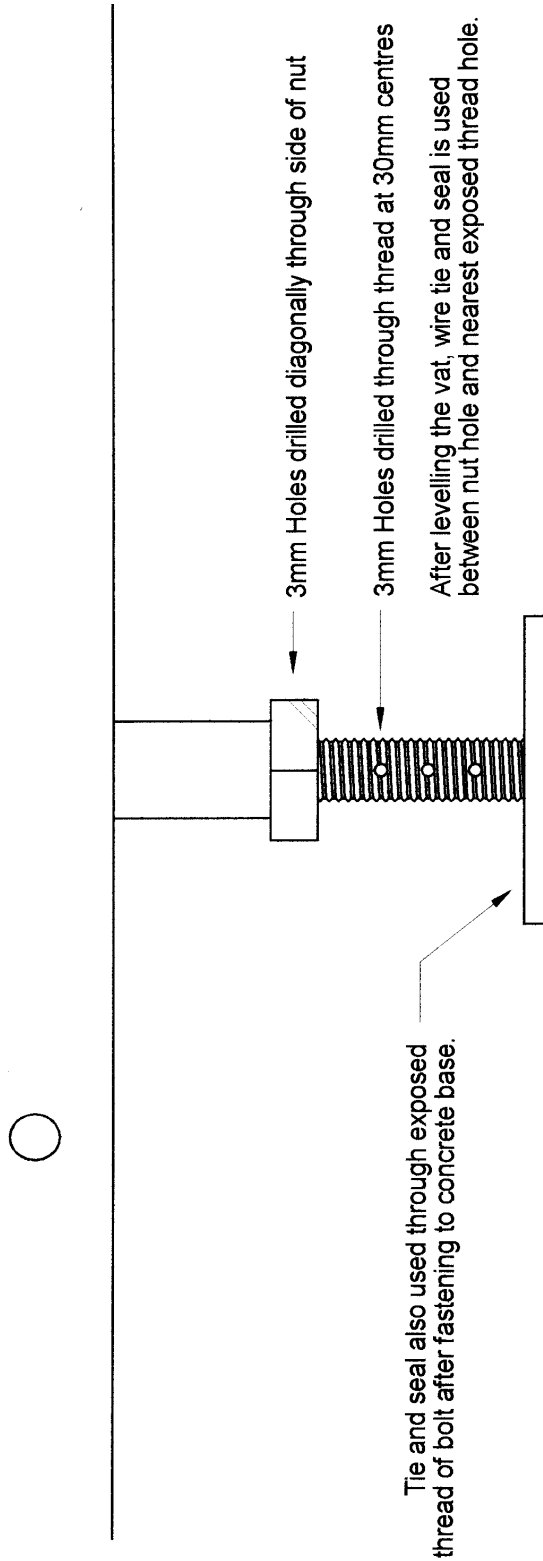
Typical Foley FV Series Milk Tank

FIGURE 8/61 - 4



Showing Sight-gauge Assembly - Variant 2

FIGURE 8/61 - 5



Showing Levelling and Sealing Method - Variant 2