8/83
18 October 2006

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 8/83
Change No 1

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

The following changes are made to the approval documentation for the

Crown Sheetmetal Model V24 Milk Tank

submitted by Crown Sheetmetal Ltd
32 Spey Street
Invercargill
NEW ZEALAND.

1. In Certificate of Approval No 8/83 dated 16 January 2001, the Condition of Approval referring to the review of the approval should be amended to read:

   "This approval becomes subject to review on 1 December 2011, and then every 5 years thereafter."

2. In Technical Schedule No 8/83 dated 16 January 2001, clause **1.4 Markings** should be amended by adding the following to the list of required markings:

   "Year of manufacture ....."

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.

8/83
16 January 2001

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Certificate of Approval

No 8/83

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Crown Sheetmetal Model V24 Milk Tank

submitted by Crown Sheetmetal Ltd
32 Spey Street
Invercargill NEW ZEALAND.

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.

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CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 December 2005, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 8/83 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 NSC P 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 7 November 2000

- A Crown Sheetmetal model V24 vertical cylindrical refrigerated milk tank of 5500 L capacity.

Variant: approved 7 November 2000

1. Other models and capacities as listed in Table 1.

Technical Schedule No 8/83 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/83 dated 16 January 2001
Technical Schedule No 8/83 dated 16 January 2001 (incl. Table 1 and Test Procedure)
Figure 1 dated 16 January 2001

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.

TECHNICAL SCHEDULE No 8/83

Pattern: Crown Sheetmetal Model V24 Milk Tank.

Submittor: Crown Sheetmetal Ltd
32 Spey Street
Invercargill NEW ZEALAND.

1. Description of Pattern

A Crown Sheetmetal model V24 vertical cylindrical refrigerated milk tank of 5500 L capacity (Figure 1 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. The bottom of the tank slopes towards the outlet control valve. An optional milk-sampling valve may be fitted to the tank.

(ii) A sight-gauge mounted in a vertical position is located in the vicinity of the outlet valve and comprises a transparent sight-tube fitted in a rigid stainless steel support tube fixed to the side of the tank adjacent to a stainless steel scale. The scale has provision for a lead seal to be attached to the scale mounting assembly. The sight-tube is made of plastic.

The scale is graduated in 20 L increments.

A valve located at the bottom of the sight-gauge allows the milk in the sight-gauge to be drained without draining the contents of the tank.

(iii) Levelling is effected by means of 5 adjustable legs 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 scale. Each leg has provision for fixing the leg to the floor, and provision for sealing, after levelling.

(iv) Access for inspection is provided by a side entry opening.

(v) A closed CIP (clean in place) system is incorporated.

1.2 Verification/Certification Provision

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

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1.3 Sealing Provision

Provision is made for the adjustable legs to be sealed after the tank has been levelled. Refer clause 1.1 (iii).

1.4 Markings

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

Manufacturer's mark, or name written in full	Crown Sheetmetal Ltd
Model number	…….
Serial number	…….
Pattern approval mark in the form:	NSC No 8/83
Maximum capacity in the form	 L

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

2. Description of Variant 1

Other models and capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity (litres)	Number of Legs	Scale Interval (litres)
V24	5 500	5	20
V24	7 000	5	20
V24	9 000	5	20
V24	10 000	5	20
V24	11 000	5	50
V24	12 000	5	50
V24	13 000	5	50
V24	15 000	5	50
V24	18 000	5	50
V30	16 500	9	50
V30	18 500	9	50
V30	20 500	9	50
V30	23 000	9	50
V30	25 000	9	50
V30	28 500	9	100
V30	30 500	9	100
V30	32 500	9	100
V30	35 000	9	100
V30	37 500	9	100
V30	40 500	9	100

TEST PROCEDURE

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

Maximum Permissible Error at Verification/Certification

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

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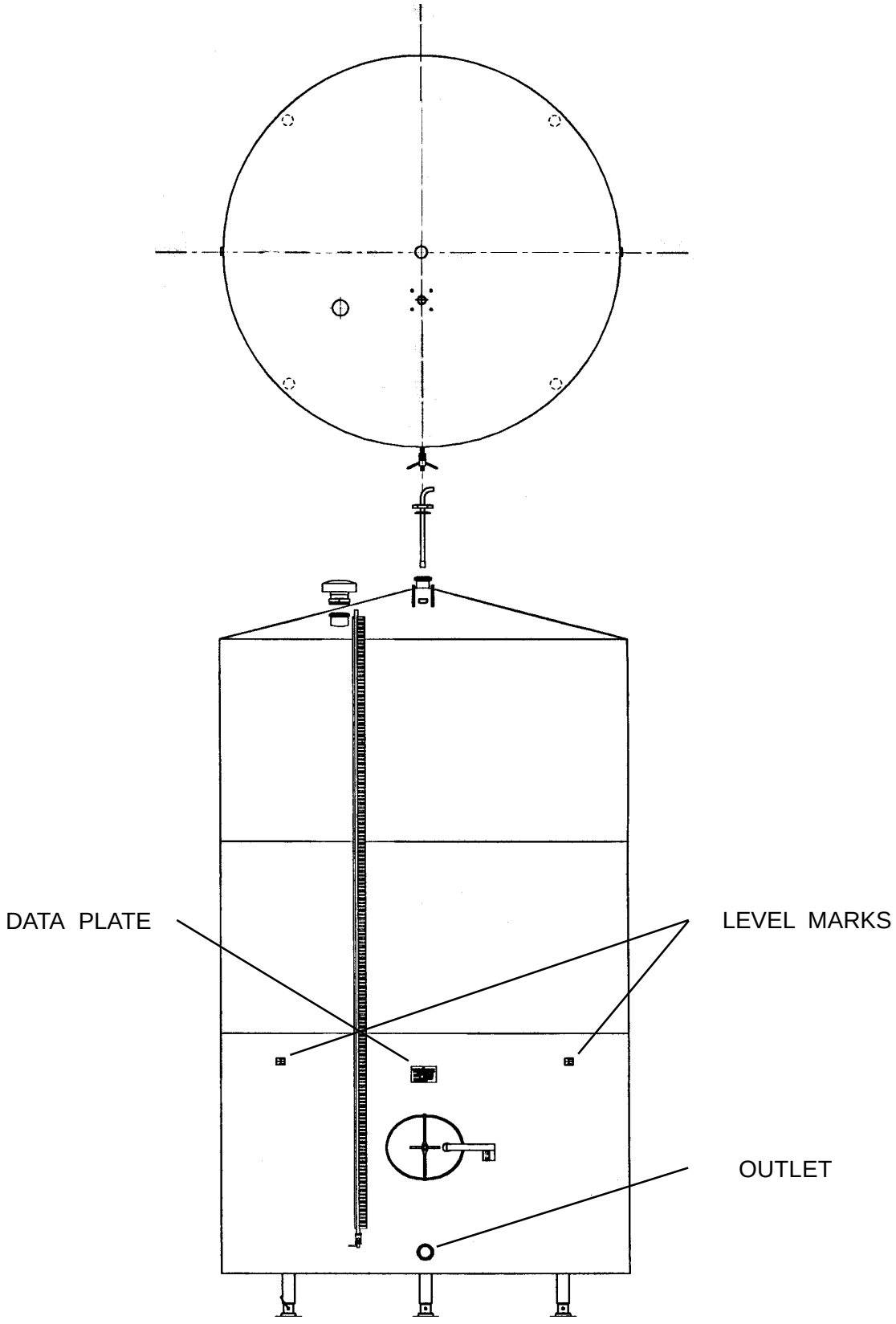
FIGURE 8/83 - 1



Crown Sheetmetal Model V24 Milk Tank