



Weights and Measures  
(National Standards)  
Act 1960-1966

Weights and Measures  
(Patterns of Instruments)  
Regulations

CANCELLED

cert-wd. 0/3  
21-2-90

COMMONWEALTH OF AUSTRALIA

NATIONAL STANDARDS COMMISSION

## *Certificate of Approval*

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CERTIFICATE NUMBER 5/6D/1

*In respect of the pattern of*

Halco Multiple Bulk Lubricating Oil Flowmeter and Variants.

Submitted and  
manufactured by: Halco Engineering Pty. Ltd.,  
Cochranes Road,  
Moorabbin,  
Victoria. 3189.

This is to certify that the pattern and variants of the instrument illustrated and described in this Certificate have been examined by the National Standards Commission under the provisions of the abovementioned Regulations and have been approved as being suitable for use for trade.

The pattern and variants 1 and 2 were approved on 24th November, 1966, and variants 3 to 10 were approved on 28th May, 1971.

Approval was granted on condition that all instruments made in conformity with this Certificate:

1. are appropriately marked NSC No 5/6D/1 and, where required by State legislation, with the State approval number also; and
2. comply with the General Specifications for Weighing and Measuring Instruments to be Used for Trade, in respect of that part of the instrument which was not previously approved by a State.

This Certificate comprises:

Pages 1 to 4 dated 4th June, 1971.

Figure 5/6D/1 - 1 dated 4th June, 1971.

Pursuant to regulation 12 of the abovementioned Regulations, this Certificate is applicable only in the State of Victoria.

Date of issue 4th June, 1971.

Signed

A handwritten signature in black ink, appearing to read "Philip J. Mansfield". The signature is written in a cursive style with a long horizontal flourish at the end.

A person authorised by the Commission  
to sign Certificates under the  
abovementioned Regulations.

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DESCRIPTION OF PATTERN\*

The pattern (see Figure 1) is of a modification of five flowmeters mounted on a single vehicle, as approved in Victorian Notice of Approval No 492. The following significant changes have been made to the instrument described in the State approval:

1. With six metered outlets on the vehicle.
2. With multi-bank Halco 2-inch gear pumps which are driven mechanically from the engine.
3. With Neptune  $1\frac{1}{4}$ -inch compact Type 4 meters and gas separators as approved in Victorian Notice of Approval No 527.
4. With Neptune Model 432 auto-stop registers and  $1\frac{1}{2}$ -inch auto-stop valves as approved in Victorian Notice of Approval No 527.
5. With the hose reels operated by electric motors.
6. With Axiom Wheaton B751  $1\frac{1}{2}$ -inch hose nozzles as approved in Victorian Notice of Approval No 436.
7. With "notices for correct operation" as approved in Victorian Notice of Approval No 527.

DESCRIPTION OF VARIANTS\*

1. With Neptune Model 434 auto-stop zero-start ticket-printing registers and  $1\frac{1}{2}$ -inch auto-stop valves as approved in Victorian Notice of Approval No 527.
2. With Neptune  $1\frac{1}{2}$ -inch compact Type 4 meters as approved in Victorian Notice of Approval No 521.
3. With up to six metered outlets on the vehicle.
4. With  $1\frac{1}{2}$ -inch bore hoses of maximum length 150 ft as approved in Victorian Notice of Approval No 492.

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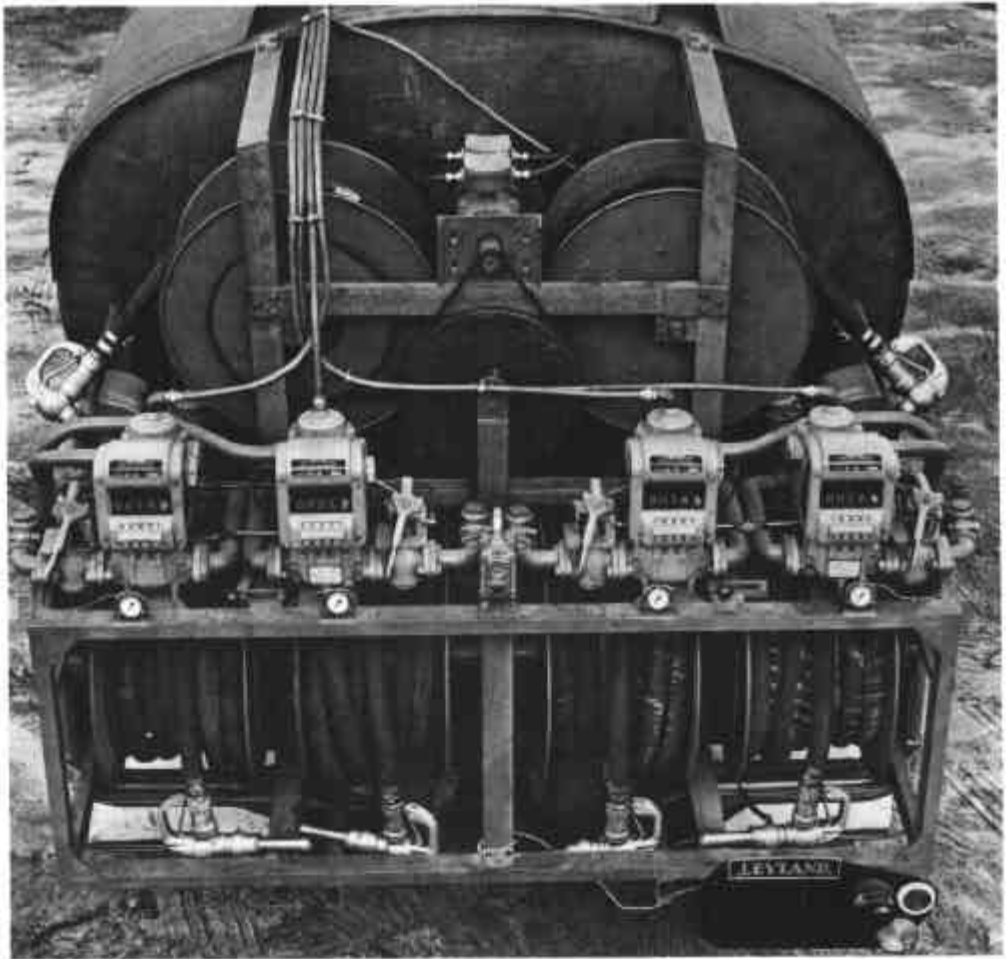
\* Approved pursuant to regulation 12.

5. With hose reels of any size.
6. With or without a manual by-pass valve across each pump.
7. With unmetered outlets upstream of the gas separators, in which case the outlet pipe is connected through a 3-way valve.
8. Without the "notice for correct measure" as approved in Victorian Notice of Approval No 492.
9. With the flowmeters located in any reasonable position on the vehicle.
10. With any unmetered outlet fitted with a hose, reel and nozzle.

GENERAL NOTES

Notice of approval of the pattern and variants 1 and 2 was advised in Memorandum of Approval No 41 dated 24th November, 1966.

FIGURE 5/6D/1 - 1



Halco Multiple Bulk Lubricating Oil Flowmeters

4/6/71