

OIML Member State
The Netherlands

Number R117/2007-NL1-16.02
Project number 16200580
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Issuing authority
Person responsible: NMI Certin B.V.
C. Oosterman

Applicant and
Manufacturer Wayne Fueling Systems Sweden AB
Hanögatan 10
SE -211 24 Malmö
Sweden

Identification of the
certified type **A fuel dispenser**
Type: Global Century Oil Mix

Characteristics See page 2 and further

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 117-1 (2007) "Dynamic measuring systems for liquids other than water"

Accuracy class 0,5

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

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Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**
18 November 2016



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The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMI-16200580-01 dated 18 November 2016 that includes 28 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. R117/1995-NL1-06.02.

Table 1 General characteristics

Flow rate range	2 – 40 L/min
Minimum measured quantity	2 L
Maximum pressure	3,0 bar
Environmental classes	M1 / E1
Ambient temperature range	-25 °C / +55 °C; condensing humidity
Product temperature range	-25 °C / +50 °C
Intended for the measurement of	gasoline and gasoline-oil mixtures (Two Stroke Oil)
Power supply voltage	230 / 400 V AC; 50 Hz

Each measuring instrument consists at least of:

- One combined pump and gas eliminator device (gas separator);
- One measurement transducer (meter) for Gasoline;
- One measurement transducer (meter) for Two Stroke Oil;
- One calculating/indicating device (calculator).

The characteristics of the mentioned parts of the fuel dispenser are presented at table 2 and higher.

The same housing of the dispenser can comprise of one or more measuring systems. When more than one measuring systems are in one housing, one calculating/indicating device may be a common part of the measuring systems.

The combined pump/gas elimination device may be replaced by a submersible remote pumping unit. The submerged pump may serve several dispensers. The gas elimination device may only be omitted if the measuring system is constructed and installed so that during normal operation, neither air intake nor gas release will occur in the liquid upstream of the meter.



OIML Certificate of Conformity

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Production location

The fuel dispenser is produced at one of the following production locations:

- Wayne Fueling Systems Sweden AB
Hanögatan 10
SE-211 24 Malmö
Sweden
- Wayne Indústria e Comércio
Estrada do Timbó, 126 – Higienópolis
21061-280 – Rio de Janeiro
Brazil
- Dresser Wayne Fuel Equipment (Shanghai) Co., Ltd.
51 Daxiu Road, Pudong
Shanghai
China

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Parts of the fuel dispenser

The conformity of the following parts was established by the results of tests and examinations provided in the associated report(s):

Part: Measurement transducer
 Producer: Wayne Fueling Systems Sweden AB
 Type: iMeter
 Documentation folder: TC7211-1 and TC7212-6 (Pulsers)
 Reports: No. NMI-16200580-01 dated 18 November 2016 that includes 28 pages.

Table 2 General characteristics of the measurement transducer type iMeter

Flow rate range [L/min]	3 – 70 L/min
MMQ	2 L
Maximum pressure	3,0 bar
Environmental classes	M1 / E1
Ambient temperature range	-25 °C / +55 °C
Product temperature range	-25 °C / +50 °C
Intended for the measurement of	low-viscosity mineral oils with a viscosity of 0,4 mPa·s – 8,0 mPa·s
Impulse encoder or pulser	WIP (WM001682-0001) or WIP (WM031856-0001) or XWIP (WM011529-0001) or XWIP II (WM019142-0001)

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Part: Calculating/indicating device
 Producer: Wayne Fueling Systems Sweden AB
 Type: iGEM
 Documentation folder: TC7212-6
 Reports: No. NMI-16200580-01 dated 18 November 2016 that includes 28 pages.

Table 3 General characteristics of the calculating/indicating device

Maximum volume indication	6 digits
Maximum unit price	4 or 5 digits
Maximum price to pay	6 or 7 digits
Environmental classes	M1 / E1
Ambient temperature range	-40 °C / +55 °C
Software identification	Checksum: 0BE5 or 555F
Impulse encoder or pulser	WIP (WM001682-0001) or WIP (WM031856-0001) or XWIP (WM011529-0001) or XWIP II (WM019142-0001)

Part: Gas elimination device
 Producer: Wayne Fueling Systems Sweden AB
 Type: CPU
 Documentation folder: TC7210-1
 Reports: No. NMI-16200580-01 dated 18 November 2016 that includes 28 pages.

Table 4 General characteristics of the gas elimination device

Maximum flow rate	90 L/min
Minimum pressure	1,2 bar
Maximum pressure	3,0 bar
Environmental classes	M1
Ambient temperature range	-25 °C / +55 °C
Product temperature range	-25 °C / +50 °C
Intended for the measurement of	low-viscosity mineral oils with a viscosity of 0,4 mPa·s – 8,0 mPa·s