CERTIFICATION Notice

An URGENT Bulletin from CSA International

Ref No: 95-018 Date: January 30, 1995

HAZARDOUS LOCATIONS PRODUCTS NO. 3

To: **Manufacturers of Motors and Generators for Use in Hazardous Locations**

Subject: **Publication of an Amendment to CSA Standard C22.2 No. 145-M1986**

This Certification Notice is issued to:

(a) Clarify the new marking requirement of Clause 6.7 for motors and generators for use in Class I hazardous locations, as shown in an amendment to CSA Standard C22.2 No. 145-M1986; and

(b) Provide direction as to the effective date of the marking requirement, to manufacturers of motors and generators supplied with a terminal box for field wiring connections and/or an inspection cover (door).

Background and Rationale

A new requirement for marking the field wiring terminal box and/or inspection cover (door) of a motor or generator for use in Class I hazardous locations was developed by CSA to harmonize with:

(a) Standard UL 886, Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations; and

(b) CSA Standard C22.2 No. 30-M1986, Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

The new requirement was proposed to the Subcommittee on CSA Standard C22.2 No. 145. It was accepted as an amendment to CSA Standard C22.2 No. 145. The amendment was published under General Instruction No. 2 for the CSA Standard in March 1993.

At a subsequent meeting of the Subcommittee on Standard C22.2 No. 145, the members recommended an effective date for the marking requirement. The members also provided requirements for acceptable marking methods.

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Requirements

(a) Clause 6.7 of CSA Standard C22.2 No. 145 for the new marking requirement is shown below:

"Where a machine is supplied with a terminal box for field wiring connections and/or an inspection cover (door), the following or equivalent marking shall be permanently displayed on (or adjacent to) the terminal box or the inspection cover:

CAUTION:	*OPEN ALL CIRCUITS BEFORE REMOVING COVER.*
ATTENTION:	*OUVRIR TOUS LES CIRCUITS AVANT D'ENLEVER LE COUVERCLE.*

Note: This does not preclude the cautionary marking requirements if the machine is supplied with auxiliary circuits that can be fed from separate power supplies."

(b) Acceptable Methods of Marking:

(1) Modification of the existing nameplate;

(2) An additional metal nameplate, secured by screws or equivalent means that engage bottomed holes; or

(3) An adhesive nameplate complying with the applicable requirements of CSA Standard CAN/CSA-C22.2 No. 0.15-M90, Adhesive Labels, and the adhesive nameplate requirements of Clause 6.12 of CSA Standard C22.2 No. 30-M1986, Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

Effective Date January 1, 1996

Direction

(a) Customers currently holding CSA Certification of motors and generators which include a field wiring terminal box and/or an inspection cover, shall confirm in writing to CSA that the machines will comply with the requirement of Clause 6.7 of CSA Standard C22.2 No. 145 on or before the effective date. The customer may elect to send the confirmation letter directly to CSA or present the letter to CSA Field Service Representatives during their follow-up visits to the facility. The method of marking shall comply with the marking requirements shown in Item (b) of "Requirements" section.

(b) Where an additional adhesive nameplate is used for the required marking, the customer shall:

(1) Confirm in writing to CSA that the type of adhesive nameplate has been accepted by CSA for use on the same motor or generator;

(2) Make an application with CSA for evaluating the adhesive nameplate to the requirements of CSA Standard C22.2 No. 0.15 and Clause 6.12 of CSA Standard C22.2 No. 30; or

(3)

(3) Provide CSA with test data of the adhesive nameplate or other relevant information for consideration of compliance with the requirements shown in Item (2).

(c) Copies of all letters and documentation required in Items (a) and (b) shall be maintained by the customer, and shall be made available to the CSA Field Service Representatives during their follow-up visits to the facility on or after the effective date.

(d) Motors and generators that are submitted for CSA Certification on or after the effective date shall comply with the new marking requirements.

Application for CSA Certification of motors and generators or evaluation of an adhesive nameplate to the requirements of CSA Standard C22.2 No. 0.15 and Clause 6.12 of CSA Standard C22.2 No. 30, should include the full company name, address, location of factory, and the CSA reference file number (if one has been assigned).

This Direction is applicable to products Certified under the following CSA product classifications:

4218 02 - MOTORS AND GENERATORS - Custom Built - For Hazardous Locations

4228 01 - MOTORS AND GENERATORS - For Hazardous Locations

Applications and Inquiries

If you wish to make an application or write to CSA, please contact one of the CSA Offices or CSA Network Partners listed below. If you require additional technical information, please call (416) 747-4338.

CSA Offices	Telephone	Telefax
Moncton	(506) 858-9300	(506) 858-9302
Montreal	(514) 694-8110	(514) 694-5001
Rexdale	(416) 747-4300	(416) 747-4149
Rexdale (Standards Sales)	(416) 747-4044	(416) 747-2475
Winnipeg	(204) 632-6633	(204) 632-1796
Edmonton	(403) 450-2111	(403) 461-5322
Vancouver	(604) 273-4581	(604) 273-5815
Hong Kong	(852) 2-664-2872	(852) 2-664-5033
Japan	(81) 3-3234-3553	(81) 3-3234-8678

CSA Network Partners

Pacific Rim (and Far East):

SAQAS (Australia)	(61) 2-746-4900	(61) 2-746-8460
CCIC (China)	(86) 755-2207409	(86) 755-2200835
HKSTC (Hong Kong)	(852) 2-667-0021	(852) 2-664-4353
BIS (India)	(91) 3310131	(91) 3314062
JQA (Japan)	(81) 3-3416-0137	(81) 3-3416-2986
A-PEX (Japan)	(81) 596-24-6717	(81) 596-24-1746
I-TEC (Japan)	(81) 45-322-1099	(81) 45-322-1089
SIRIM (Malaysia)	(60) 3-559-2601	(60) 3-550-8095
SANZ (New Zealand)	(64) 4-498-5993	(64) 4-498-5994
SISIR (Singapore)	(65) 772-9534	(65) 778-1315
KAITECH (South Korea)	(82) 2-860-1453	(82) 2-860-1465
CTS (Taiwan)	(886) 2-299-5023	(886) 2-299-5022
ACL (Thailand)	(66) 2-970-3346	(66) 2-552-1841

Europe (and Middle East):

OVE (Austria)	(43) 1-375-807	(43) 1-374-051
LCIE (France)	(33) 1-4095-6120	(33) 1-4095-6003
UTE (France)	(33) 1-4-691-1244	(33) 1-4-789-4587
N.V. KEMA (Netherlands)	(31) 85-569111	(31) 85-514922
VDE-PZI (Germany)	(49) 69 830-6436	(49) 69 830-6666
PCBC (Poland)	(48) 2243-0595	(48) 2247-1272
SII (Israel)	(972) 3-6465-147	(972) 3-6465-286
IMQ (Italy)	(39) 2-507-3220	(39) 2-507-3271
SEMKO AB (Sweden)	(46) 8-750-0211	(46) 8-750-6030
SEV (Switzerland)	(41) 1-956-1111	(41) 1-956-1122
BSI (U.K.)	(44) 908-220908	(44) 908-220671
BSI Testing (U.K.)	(44) 442-230-442	(44) 442-231-442

North America:

CCL (Utah)	(801) 972-6146	(801) 972-8432
PSE (California)	(714) 453-8311	(714) 453-8438
PSE (Florida)	(813) 989-2360	(813) 989-2373

South America:

BV Bureau Veritas	(55) 11-536-0833	(55) 11-531-8455