

EUROBAT

**The Association of European
Storage Battery Manufacturers**

Capacity Marking Workshop

European Commission

19 December 2008

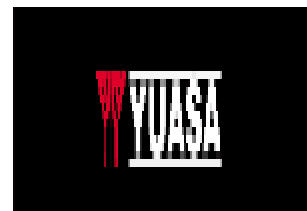
EUROBAT

- § EUROBAT is the only organisation in Europe representing the interests of the leading automotive and industrial battery manufacturers and their suppliers. EUROBAT provides expert information to consumers, political decision-makers, and the media

- § EUROBAT enjoys excellent cooperation with
 - Ü its counterparts worldwide, e.g. in the US with (BCI) and in Japan with the Battery Association of Japan (BAJ) - regular trilateral exchanges and events
 - Ü European battery industry associations: EPBA & Recharge – regular meetings and common positions

EUROBAT

Eurobat Membership: regular members



Capacity marking for automotive batteries

- Eurobat fully supports the provision of accurate and thorough information to consumers
 - Most important information - about the performance of batteries is the Cold Cranking Amperes – CCA (capability to start an engine) rather than the energy content, technically described as capacity and measured in Ampere hours - Ah
- ⇒ **Option 2** for Label Design (Simplified textual labelling) of the BIO final report: only performance indication

Capacity marking for automotive batteries

- Battery capacity measured in Ah varies according to the discharge rate used / in a non-linear way
 - Each type and model of battery has different capacities at different discharge rates
 - This is a complex characterization which potentially leads to the disorientation of the consumer
- The primary Information which is enabling consumers to effectively choose batteries is the capability of a battery to start the engine
- The significant difference in terms of energy required for starting an engine is the high intensity discharge for a short time under low temperature

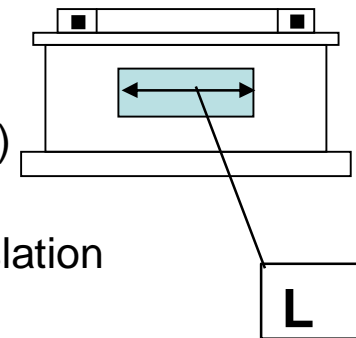
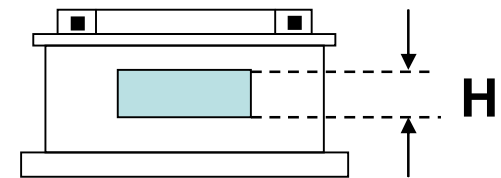
Capacity marking for automotive batteries

⇒ Performance marking on label: CCA

⇒ Label should be placed on the battery itself, by adhesive labels

Current practice:

- Label Height H (Minimum of 70 mm)
- Label Length L (Minimum of : 140 mm (L0)
175 mm (L1, L2)
225 mm (L3, L4, L5, L6))
- Warning and Recycling symbols according existing legislation
- Included on main label, on top or side, or on separate labels
- Brand name, fitment code, Typ-No. are the choice of the producer



EUROBAT

For more information:

<http://www.eurobat.org>

E-mail: eurobat@kelleneurope.com

Tel: +32 2 761 1653

Fax: +32 2 761 1699