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VEHICLE CERTIFICATION AGENCY

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 1/03



COMMUNICATION CONCERNING THE APPROVAL GRANTED OF A TYPE OF AUDIBLE WARNING DEVICE FOR MOTOR VEHICLES, PURSUANT TO REGULATION NO 28 (STU)

Approval No: 28R-002119

1. Trade name or mark: Hadley

- 2. Type (electro-pneumatic, electro-magnetic with resonator disc, electro-magnetic horn, etc) indicating whether it is a single-tone or multiple-tone warning device: H00861 Fully pneumatic, single tone
- 3. Manufacturer's name and address:

Hadley 2851 Prairie Street S.W. Grandville, MI 49418 USA



- 4. If applicable, name and address of manufacturer's representative: Not applicable
- 5. Brief description of warning device: 152.4 mm round open bell, air operated horn
- 6. Supply voltage(s): Not applicable
- 7. Rated operating pressure: $1.75 \pm 0.35 \text{ kg/cm}^2$
- 8. Rated frequency (or frequencies): 214 Hz
- 9. Geometrical characteristics (internal length and diameter) of connecting line between compressor or control and the audible warning device: Refer to manufacturer's documentation
- 10. Submitted for approval on: 5 October 2004

11. Technical service responsible for approval tests: Vehicle Certification Agency

12. Date of report issued by that service: 14 December 2004

13. Number of report issued by that service: 3065935-001

14. Approval GRANTED

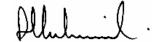
15. Place: BRISTOL



16. Date:

11 JANUARY 2005

17. Signature:



A KUBINSKI

- 18. The following documents bearing the Approval number shown above are annexed to this communication:
 - drawings, diagrams and plans of the warning device;
 - photographs

US-05/0235

Hadley Corporation

2851 Prairie S.W. Grandville, MI 49418 Phone: 616-530-1717



Application for the approval of a type of audible warning device for motor vehicles pursuant to Regulation No. 28



- 1. Trade name or mark: Hadley
- 2. Type (electro-pneumatic, electro-magnetic with resonator disc, electro-magnetic horn, etc.) indicating whether it is a single-tone or multiple-tone warning device: Fully Pneumatic single tone.
- 3. Manufacturer's name and address: Hadley

2851 Prairie Street S.W. Grandville, MI 49418 - USA

- 4. If applicable, name and address of manufacturer's representative: N/A
- 5. Brief description of warning device: Hadley Horn H00861Series, Air operated Horn, Overall Horn length is 24.5 inches (622.3 mm), horn style is a 6 inch (152.4 mm) round open bell, Sound chamber is not adjustable and screwed together with six screws.
- 6. Supply voltage(s) volts: N/A
- 7. Rated operating voltage(s) kg/cm2: N/A
- 8. Rated operating pressure(s) kg/cm2: 1.75 ± 0.35
- 9. Rated frequency (or frequencies) Hz: 214



10. Geometrical characteristics (internal length and diameter) of connecting line between compressor or control and the audible warning device: Standard ¼ inch air line with .17 inch (4.3mm) inside diameter. Length per application to be such that the rated operating pressure is met at the horn location.