

## LPG Fuel System Approvals

PURSUANT to regulation 90B of the Traffic Regulations 1976\* (as inserted by the Traffic Regulations 1976 Amendment No. 7) and pursuant to the powers delegated to me by the Secretary for Transport, I, Robert Norman Abram, Chief Automotive Engineer, hereby approve the components listed in First Schedule hereto for inclusion in any LPG automotive fuel system installed and operated in accordance with the requirements of New Zealand Standard NZS 5422, Part 1, 1980 (and any standard made in amendment thereto or in substitution therefor) subject to the conditions (if any) set out in respect of any component in the said Schedule and I hereby revoke that portion of the *Gazette* notice listed in Second Schedule hereunder that refers to LPG cylinders.

FIRST SCHEDULE  
LPG FUEL CYLINDERS

MOT Reference	Manufacturer	Country of Origin	Specification	Material	Inspection Authority	Working Pressure Rating (MPa)	Test Pressure (MPa)
AF L03B 021	Pressure Container Industry Corp.	Thailand	AS 1210	Steel	S.A.A. Gas Cylinder Services/Thailand Institute of Scientific and Technological Research	2.55	3.3

CONDITIONS OF APPROVAL

LPG fuel cylinders are approved subject to the following conditions—

1. That they be permanently and clearly marked, on a suitably attached metal plate, with characters not less than 6 mm high if space permits but in any case not less than 3 mm high, displaying the following information:
  - (a) The specification to which the cylinder was manufactured.
  - (b) The manufacturer's name or mark and the serial number of the cylinder.
  - (c) The date of the original cylinder inspection and the identification mark of the inspection authority who made the inspection.
  - (d) The date of any periodic cylinder test and the identification mark of the cylinder testing station who made each test.
  - (e) The cylinder test pressure.
  - (f) The nominal water capacity of the cylinder.
  - (g) The tare weight of the cylinder.
2. That they be clearly marked or labelled to indicate that the cylinder is suitable for use with LPG.
3. That they be provided with valve threads and fittings which provide the following functions:
  - (a) Filling connection incorporating a non return valve.
  - (b) Service valve incorporating an excess flow valve.
  - (c) Contents gauge.
  - (d) Pressure-relief valve.
  - (e) A fixed liquid level indicator and an automatic fill shut off device which prevents the cylinder being filled beyond 85 percent of the total cylinder capacity.

Valves and fittings shall have a service pressure rating of at least that of the cylinder to which they are fitted and shall be dimensioned, threaded and marked in accordance with the requirements of section 2.3 of New Zealand Standard NZS 5422 "The use of LPG and CNG Fuels in Internal Combustion Engines—Part 1 LPG Fuel".
4. That they be tested at periods not exceeding five years in accordance with the requirements of Australian Standard AS 2337-1980 or in accordance with the periodic test requirements laid down in the specification to which the cylinder was manufactured.

SECOND SCHEDULE

APPROVAL REVOKED

*New Zealand Gazette*, 1984, page 4641, "LPG Fuel System Approvals". Those cylinders identified in that portion of the Schedule entitled "LPG Fuel Cylinders" and referenced by the MOT reference number AF L03B 021.

Dated at Wellington this 16th day of January 1986.

R. N. ABRAM, Chief Automotive Engineer.

\*S.R. 1976/227

(M.O.T. 14/1/17/16)