

*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, Trevor Alan Lister, Senior Automotive Engineer, hereby approve the components listed in the 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 set out in the said Schedule.

**SCHEDULE**  
**LPG FUEL CYLINDERS**

MOT Reference	Manufacturer	Drawing Number	Material	Specification	Independent Inspection Authority	Nominal Water Capacity (litres)	Working Pressure Rating (MPa)	Test Pressure (MPa)
AF L03 093 ..	Brunner Eng., U.S.A.	A102 (13 × 42)	Steel ..	ASME 8/1 ..	ASME ..	83.3	2.15	3.2
AF L03 094 ..	Brunner Eng., U.S.A.	A116 (22 × 48)	Steel ..	ASME 8/1 ..	ASME ..	276	2.15	3.2

LPG fuel cylinders are approved subject to the following conditions—

1. That they be permanently and clearly marked, either on a thickened portion of the cylinder or 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.
- (h) An identification that the cylinder is suitable for use with LPG.

2. That they be provided with valves 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) Safety valve.
- (e) A fixed liquid level indicator or an automatic fill shut off device which prevents the cylinder being filled beyond 85% 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".

3. That the cylinders be tested at periods not exceeding 5 years in accordance with the periodic test requirements laid down in the specification to which the cylinder was manufactured.

Dated at Wellington this 5th day of November 1982.

T. A. LISTER, Senior Automotive Engineer.

**\*S.R. 1976/227**

- Amendment No. 1: S.R. 1978/72
- Amendment No. 2: S.R. 1978/301
- Amendment No. 3: S.R. 1979/128
- Amendment No. 4: S.R. 1980/31
- Amendment No. 5: S.R. 1980/115
- Amendment No. 6: S.R. 1981/158
- Amendment No. 7: S.R. 1981/311
- Amendment No. 8: S.R. 1982/93

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

*New Zealand Railways Corporation—Schedule of Civil Engineering and Building Contracts of \$20,000 or More in Value*

Name of Contract	Name and Address of Contractor	Amount of Contract \$
East Town Workshops New administration Building and Apprentices school ..	Jones Construction Ltd., 40 Maria Place, Wanganui	724,960
Supply of Ballast in the North Auckland Area .. .. .	Winstones (Northland) Ltd., P.O. Box 149, Whangarei	120,500
Gracefield—Goods Office and Freight Reception Centre .. .. .	Turnat Construction, P.O. Box 1540, Wellington	58,850
Otira: Contract for Painting Traction and Ancillary Buildings .. .. .	D. K. Collins, Blackball, Westland ..	36,855

T. M. HAYWARD, General Manager.

(10/2100/9)

*Ministry of Energy—New Zealand Electricity Division—Schedule of Works and Services Contracts of \$20,000 or More in Value*

Name of Works	Successful Tenderer	Amount of Tender Accepted \$
Excavation and Construction of reinforced Concrete Foundations plus other Works for Stage 1 extension of Benmore Power Station	Downer and Company, Dunedin ..	105,295.00

K. D. McCOOL, General Manager.