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 the 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 of approval set out in respect of any component in the said First Schedule, and I hereby revoke those *Gazette* notices listed in the Second Schedule hereunder.

FIRST SCHEDULE

LPG FUEL CYLINDERS

MOT Reference	Manufacturer	Country of Origin	Specification	Material	Inspection Authority	Working Pressure Rating (MPa)	Test Pressure (MPa)
AF L03B 001	Dye Industries	N.Z.	AS 1210	Steel	Lloyds	2.32	3.48
AF L03B 002 †	Dye Industries	N.Z.	ASME 8/1	Steel	ABS	2.15	3.2
AF L03B 004 †	Van Leer	Belgium	AS 1210 Int. 1	Steel	Dienst Voor Het Stoomwezen	2.55	3.3
AF L03B 006	Rheem	Australia	AS 1210 Int. 1	Steel	SAA Rheem	2.55	3.3
AF L03B 007	Indeng Gasplant	Australia	AS 1210 Int. 1	Steel	SAA Gasplant	2.55	3.3
AF L03B 008	Vickers Hoskins	Australia	AS 1210 Int. 1	Steel	SAA Vickers Hoskins	2.55	3.3
AF L03B 009	KCK Corp	Japan	AS 1210 Int. 1	Steel	Lloyds	2.55	3.3
AF L03B 010	Aust. Gas Car Co. Richards	Australia	AS 1210 Int. 1	Steel	SAA Richards	2.55	3.3
AF L03B 011	Usher Industries	Australia	AS 1210 Int. 1	Steel	SAA Auth	2.55	3.3
AF L03B 012	Witte Van Moort	Holland	AS 1210 Int. 1	Steel	Dienst Voor Het Stoomwezen	2.55	3.3
AF L03B 013	Cameron and Jason	Australia	AS 1210 Int. 1	Steel	SAA Auth	2.55	3.3
AF L03B 014	Mytton Rodd	Australia	AS 1210 Int. 1	Stainless Steel	SAA Mytton Rodd	2.55	3.3
AF L03B 015	Hagio Koatsu Yoki	Japan	AS 1210 Int. 1	Steel	Nippon Kaiji Kyokai	2.55	3.3
AF L03B 016	IN CO GE	Italy	AS 1210 Int. 1	Steel	IGMCTC	2.55	3.3
AF L03B 017	Manchester Tank Co.	U.S.A.	ASME 8/1	Steel	ASME	2.15	3.2
AF L03B 018	Brunner Eng.	U.S.A.	ASME 8/1	Steel	ASME	2.15	3.2
AF L03B 019	Gregg Mfg. Co.	U.S.A.	ASME 8/1	Steel	ASME	2.15	3.2
AF L03B 020	Cylgas srl	Italy	AS 1210	Steel	Lloyds	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) Safety valve.
   (e) A fixed liquid level indicator or 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 and in accordance with the periodic test requirements laid down in the specification to which the cylinder was manufactured.