NEW ZEALAND **MOTOR INDUSTRY**—AMENDMENT OF APPRENTICESHIP ORDER

In the Court of Arbitration of New Zealand.—In the matter of the Apprentices Act, 1948; and in the matter of the New Zealand Motor Industry apprenticeship order, dated the 16th day of April, 1948, and recorded in 48 Book of Awards 513.

WHEREAS by section 13 (2) of the Apprentices Act, 1948, the Court is empowered to amend any apprenticeship order: And whereas application has been made to the Court by the New Zealand Motor Trade Apprenticeship Committee for amendment of the New Zealand Motor Industry apprenticeship order, dated the 16th day of April, 1948, and recorded in 48 Book of Awards 513: And whereas the Court has heard the employers, workers, and other persons concerned and has considered the recommendations made to it by the said Committee: Now therefore, the Court, in pursuance and exercise of the powers vested in it by the said Act, doth hereby order as follows:—

1. That the said apprenticeship order shall be amended in the manner following:—

(1) By deleting clause 1 and substituting therefor the following clause:—

"*Industry to Which Order Applies*

"1. The industry to which this order shall apply is the motor industry in the following branches, as referred to in the Schedule to this order: Motor mechanic; automotive electrician; automotive machinist; motor-cycle mechanic; tractor mechanic."

(2) By deleting subclause (*a*) of clause 3 (Prior Consent of Committee) and substituting therefor the following subclause:—

"(*a*) No employer shall engage any person on probation as an apprentice or enter into any contract of apprenticeship without the prior consent in writing of the appropriate local Apprenticeship Committee or, where there is no such Committee, of the District Commissioner of Apprenticeship."

(3) By deleting clauses 6, 16, and 17, and substituting therefore the folowing clauses:—

"*Prerequisite Education*

"6. It shall be necessary for a person desiring to become an apprentice after this order comes into effect to produce to the local Committee satisfactory evidence that he has completed two years' post-primary education, or has attained what is in the opinion of the local Committee and of the New Zealand Committee an equivalent standard of education."

"*Conditions of Award to Apply*

"16. The conditions of the award or agreement referred to in clause 10 of this order, in so far as they relate to the method and time of payment of wages, holidays, travelling time, outside work, country work, meal-money, overall allowance, and other matters (other than tool-money) relating generally to the employment of journeymen and not in conflict with this order, shall apply to apprentices."

"*Tool-money*

"17. (*a*) Subject to the provisions of subclause (*b*) hereof, the employer shall pay to the apprentice tool-money at the rate prescribed for workers in the award or agreement referred to in clause 10 of this order and the apprentice shall purchase each year tools to the value of the annual sum payable by way of tool-money.

"(*b*) The employer may either purchase, or advance to the apprentice by way of orders on suitable suppliers such sums as are sufficient for the purchase of, tools to at least the value of the annual sum payable by way of tool-money, and the cost of such purchases, or such advances, shall be repaid by deductions from the tool-money payable by virtue of subclause (*a*) of this clause.

"(*c*) If a contract is terminated during or at the end of the period of probation provided for by clause 8 of this order, the apprentice shall return to the employer any tools supplied or the value thereof in excess of the amount of tool-money provided for by subclause (*a*) of this clause."

(4) By adding to the Schedule to the order the following list of operations and skills:—

"4. *Motor-cycle Mechanics.*—(*a*) Correct use of files, hacksaws, chisels, drills, taps and dies and reamers, spanners, and all simple hand tools; soldering and brazing. Care and maintenance and sharpening of above tools and other hand tools. General instruction in the correct methods of dis-assembly and assembly on all motor-cycle and similarly constructed units. The fitting of tyres and wheels; tube repairs. Cleaning and testing spark plugs.

"(*b*) Use and maintenance of scrapers, valve cutters, calipers, micrometers, and gauges, and sharpening and hardening in connection with all tools. Riveting and correct treatment of bolts, studs, and locks. Valve facing, seat honing, and grinding of valves. Measuring engine wear. Adjusting brakes. Use of voltmeter, ammeter, and hydrometer in testing batteries. Mixing of electrolyte.

"(*c*) The fitting of bearings; straightening and aligning connecting rods; fitting pistons and rings; fitting gudgeon pins. Engine troubles and knocks. Steering faults and their remedy. Clutch and transmission adjustments and overhaul. Diagnosing faults in the ignition and electrical system and methods of repair. Carburettor overhaul and adjustment. Fuel system and overhaul. Checking and testing for Warrants of Fitness.

"(*d*) Complete engine tune-up procedure, voltmeter, and ammeter, generators, voltage regulators, and electrical accessories. Complete overhauls of all motor-cycle and similarly constructed units, with particular attention to recognition of worn parts, by visual inspection and measurement.

"*General.*—Gas welding. Fitting and brazing tubes to motor-cycle frames and forks. Aligning frames and forks. Rebuilding and repairing motor-cycle wheels. Cutting and screwing spokes. Use of dial test indicators and straightening and trueing flywheels. Internal combustion engine theory and practice as applicable to motor-cycle and similar engines. Simple carburation. Modern lubrication and types of oils used as applicable to motor-cycles. Removing, replacing, and care of batteries as applicable to motor-cycles. Steering forks as applicable to motor-cycles. Turning and fitting bushes, gudgeon pin, mainshaft, cam and gearbox bushes. Lathe turning, lapping big end bearings and fitting rollers.

"5. *Tractor Mechanics.*—(*a*) Correct use of files, hacksaws, scrapers, chisels, drills, taps, dies, reamers, spanners, and all simple hand tools. Care, maintenance, and methods of sharpening all above tools. Modern methods of lubrication. Correct grades and types of oils and greases and when and where to be used. Care and maintenance of batteries. Removing and replacing batteries. General instruction in dis-assembly and assembly of all tractor units. Instruction in soldering, brazing, and welding practices. Cleaning and testing spark plugs. Fitting and repair of tracks, wheels, tyres and tubes.

"(*b*) Care, maintenance, and use of all precision tools such as micrometers, dial gauges, calipers. Use and maintenance of valve seat cutters, valve seat hones, and valve facing machines. Instruction in valve reconditioning and valve grinding. Correct application and use of torsion wrenches. Methods of measuring and determining limits of engine wear. Maintenance and adjustment of brakes and braking systems. Use of voltmeters, ammeters and hydrometers in testing batteries. Methods of charging batteries.

"(*c*) Fitting of bearings. Straightening and aligning connecting rods. Boring and honing cylinders. Fitting cylinder sleeves. Fitting pistons, piston rings, and gudgeon pins. Correction of steering faults. Fitting king pins, bushes, and ball

joints. Adjustment and alignment of steering. Overhaul and adjustment of clutch, transmission, and rear axles. Overhaul and adjustment of transmission clutches and tracks. Care and maintenance of hydraulic pumps, controls, and fittings. Care and maintenance of cooling systems. Overhaul of water pumps. Diagnosis and correction of ignition and electrical faults. Overhaul and adjustment of carburettor and maintenance of air filters. Overhaul of fuel systems, fuel pump adjustments, and filter maintenance. Overhaul and adjustment of all tractor units, *i.e.*, hydraulic pumps, controls, hoists, and winches. Checking and testing for Warrant of Fitness for road vehicles.

"(*d*) Diagnosing engine faults. Instruction in engine tune-up procedure, including use of compression gauge, vacuum gauge, and gas analyser. Diagnosing compression-ignition-engine faults. Dis-assembly and assembly of injector pumps. Care and maintenance of injector nozzles. Care and maintenance of operation of fuel filters. Diagnosing and repairing faults in starters, generators, voltage regulators, and other electrical accessories.

"(*e*) Overhaul, adjustment, and calibration of injector pumps. Overhaul and adjustment of injector nozzles."

2. That this order shall operate from the day of the date hereof.

Dated this 22nd day of July, 1949.

[L.S.] A. TYNDALL, Judge.