

Diesel Mechanic - 625.281.010

The following schedule of work experience is intended as a guide. It need not be followed in any particular sequence, and it is understood that some adjustments may be necessary in the hours allotted for different work experience. In all cases, the apprentice is to receive sufficient experience to become fully competent and use good workmanship in all work processes which are a part of the trade. The apprentice will be fully instructed in safety and OSHA requirements.

- A. ORIENTATION (100 Hours)
 - 1. Familiarization with operations

- B. ENGINE DIESEL (1400 Hours)
 - 1. Valves and cylinder head
 - 2. Valve assembly mechanisms
 - 3. Piston rings, piston pins, connecting rod bearings
 - 4. Reconditioning, cylinder, piston, crankshaft

- C. FUEL SYSTEM (885 Hours)
 - 1. Fuel tank-fuel line
 - 2. Fuel pump
 - 3. Injections-air filters

- D. ELECTRICAL SYSTEMS (685 Hours)
 - 1. Lighting
 - 2. Generating circuit
 - 3. Starting circuit
 - 4. Battery circuit

- E. POWER TRAIN (1010 Hours)
 - 1. Transmission
 - 2. Rear axle
 - 3. Drive shafts

- F. COOLING SYSTEM (200 Hours)
 - 1. Radiator & Cylinder water jackets
 - 2. Fan belt - Radiator hose
 - 3. Water pump temperature control thermostat

- G. LUBRICATIONS (200 Hours)
 - 1. Equipment (Use & Care)
 - 2. Accessories, control, body mechanisms (lubrication)
 - 3. Lubricate specifications

- H. CHASSIS (400 Hours)
 - 1. Wheel Alignment
 - 2. Wheels and Tires
 - 3. Front end suspensions and steering mechanisms

- I. BRAKING SYSTEM (670 Hours)
 - 1. Hydraulic
 - 2. Mechanical
 - 3. Power Brake systems (vacuum and air)

- J. EXHAUST SYSTEM (100 Hours)
 - 1. Manifold and heat controls
 - 2. Muffler - Exhaust Pipe

- K. TUNE-UP (550 Hours)
 - 1. Use of test equipment and instruments
 - 2. Trouble shooting
 - 3. Road test instrument panel check

- L. CAB & INSTRUMENTS (400 Hours)
 - 1. Speedometer and Tachometer repair
 - 2. Windshield wipers and washers
 - 3. Cab heating and system and defrosters
 - 4. Preventative maintenance and mileage checks
 - 5. Driver's seat repairs adjustments
 - 6. Warning system-lights and buzzers

- M. WELDING-ARC & ACETYLENE (300 Hours)
 - 1. Repairs to equipment
 - 2. Fabrication of parts
 - 3. Cutting
 - 4. Brazing

- N. PAINTING (500 Hours)
 - 1. Preparations
 - 2. Masking
 - 3. Spraying
 - 4. Cleaning of equipment

O. RELATED INSTRUCTION (600 Hours)

1. Basic trade theory
 2. Applied mathematics
 3. Blueprint reading
 4. English
- Other related subjects

TOTAL - 8000 Hours

WAGE SCHEDULE

0 - 1000	Hours	_____
1001 - 2000	Hours	_____
2001 - 3000	Hours	_____
3001 - 4000	Hours	_____
4001 - 5000	Hours	_____
5001 - 6000	Hours	_____
6001 - 7000	Hours	_____
7001 - 8000	Hours	_____
Journeyman	Rate	_____