



SHUKELA TRAINING CENTRE
31 Sugar Mill Way, Mount Edgecombe, 4300
P.O. Box 23, Mount Edgecombe, 4300
Telephone: +27 31 508 7700
Facsimile: +27 31 502 3520
Website: www.sasa.org.za

COURSE TITLE: DIESEL MECH PHASE 1

COURSE DURATION : 13 Weeks

TARGET POPULATION: 1st year Apprentices

COURSE CONTENT : This course is designed to enable the trainee to get a good basic grounding and expose him to the skills and machinery that he must use in the trade.

- Induction to Shukela
- Workshop safety
- Select, use and care for engineering power tools.
- Identify engineering metals, their characteristics and applications, and common metal tests and treatments used in engineering.
- Select, use and care for engineering measuring equipment.
- Select, use and care for engineering hand tools.
- Care and use of tools specific to the trade
- Basic hand skills
- Perform basic welding / joining of metals.
- Read, interpret and produce basic engineering drawings.
- Sling loads.
- Fit keys and locking devices
- Marking off
- Bearings and bushes
- Study the fundamentals of technology related to the trade.
- Perform lubrication services

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Effective Date:	1 January 2012	Title:	Course outline
Expiry Date:	31 December 2012		



COURSE TITLE: DIESEL MECH PHASE 2

COURSE DURATION : 10 WEEKS

TARGET POPULATION: 2nd Year Apprentices who have successfully completed Phase 1 or individuals who have been recommended for this course as a result of an assessment conducted at this Centre.

COURSE CONTENT :

This course is predominantly machine tool orientated and exposes the trainee to the following:

- Perform electrical service
- Remove, inspect and replace cooling systems
- Engine accessories
- Gaskets and seals
- Soft solder
- Servicing of equipment
- Remove test and replace fuel system components
- Perform engine tune up
- Remove service, repair and assemble engine block
- Remove service, repair and assemble cylinder block

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COURSE TITLE: DIESEL MECHANIC PHASE 3

COURSE DURATION : 10 WEEKS

TARGET POPULATION: 3rd or 4th year Apprentices who have successfully completed the Phase 2 Apprentice Fitter course and are eligible to attempt the National Trade Test. Individuals who have been in this trade for more than 5 years and have successfully completed an assessment conducted at this Centre.

COURSE CONTENT :

- Injectors
- Injector pumps
- Reinforcement of workshop best practices.
- Service and repair Air brakes
- Remove inspect and replace drive train components
- Dismantle service and assemble transmission systems
- Dismantle service and assemble exhaust systems
- Remove inspect and replace hydraulic brake components

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