Operate a rigid dump truck

UNIT STANDARD NUMBER: 262731
UNIT STANDARD LEVEL (NQF): 02 (10 credits)
FIELD: Physical Planning and Construction

Duration
Full Training (Novice): 5 Days
Recertification Training/Evaluation: 1 Day
Remedial Training: 1 Day

Course outline

Introduction to rigid dump trucks (types and construction)

Getting to know the rigid dump truck
We discuss the drive train, bowl and operator’s compartment.

Basic mechanical appreciation

Safety precautions
We look at safety equipment and clothing, protective devices, awareness, preparation for safe operation, safety and pre-operations check, precautions when refueling, precautions while mounting the machine, start-up procedures, pre-operation tests, safety of other personnel, working on slopes, operating in dangerous areas, repairs and servicing, towing, safe parking procedures, shutdown procedures, getting off the machine, safe maintenance procedures, batteries and tyre safety.

Daily checks and servicing
We do walk-around checks and daily service, weekly or 50 hour service, start-up checks, shutdown procedures, refueling the dump truck and daily checklist for dump trucks.

Controls, levers, pedals and instruments
We show learners the controls, gauges, warning lights and warning pictorials.

Operating the dump truck, transporting the dump truck
We discuss operating techniques and precautions, starting the engine, moving off with the machine, shifting gears – up and down, shifting between forward and reverse, steering the machine, working on inclines, working at edges of dumps or on stockpiles, dump truck falling over the edge of a dump, dumping a load, parking the dump truck, checks after shutdown, cleaning and transporting the dump truck.

Legislation and regulations

Each learner will receive

- A learner workbook including progress quizzes
- Logbook and checklist example templates
- A portfolio of evidence of practical and theoretical evaluations

Assessment methods
We conduct a formative theoretical assessment at the beginning of the course to gauge the learner’s initial understanding (novices only). At the end of the training, a summative theoretical, as well as a practical application assessment is conducted, and the learner is found competent, and if not, additional developmental areas are identified and suggested.

The rigid dump truck (RDT) course is designed for both novice and experienced operators who may be expected to operate an RDT while performing their daily duties in the working environment.

Learners who achieve the course objectives will, upon completion of the course, be able to understand and identify the functions, main components and operating controls of the RDT, carry out daily checks, safety precautions and safe operating procedures according to legislation and company policy, and maintain the necessary documentation required by the employer.

This multimedia training programme includes:

- Detailed subject notes and illustrations
- Progress quizzes keep learning on track
- An overhead slide presentation providing supplementary information
- Videos illustrate best practices, case studies, and operational examples

Human Resources Education Training and Development (Pretoria) (Pty) Ltd
PO Box 4252, The Reeds, Centurion 0158
Tel: (+27) 12 661 6721
Fax: (+27) 12 661 2241
Email: info@hretd.co.za
For more information visit www.hretd.co.za
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