

Front End Loader

3-Day Course

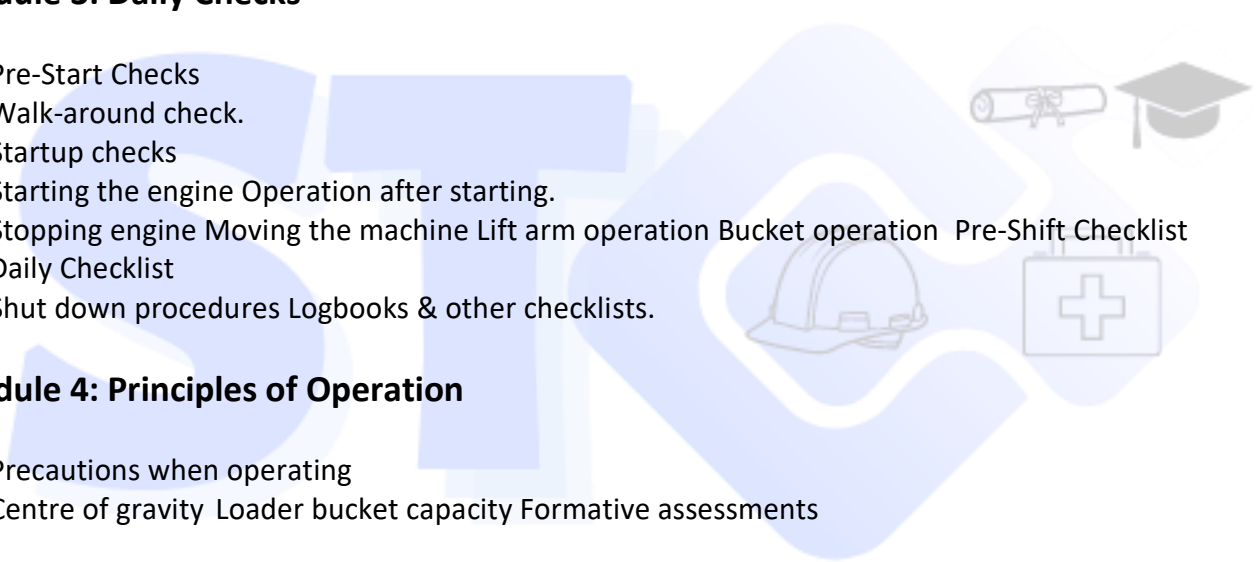
Module 1: Parts & Functions

- ▲ Main Parts
- ▲ Controls & Instruments Overview
- ▲ Instrument Panel Overview
- ▲ Electronic Monitoring System (EMS) EMS Warning Categories
- ▲ Formative assessments

Module 2: Front End Loader Safety

- ▲ Destined Use
- ▲ General Safety Information Machine towing safety Precautions for Maintenance Formative assessments

Module 3: Daily Checks

- ▲ Pre-Start Checks
 - ▲ Walk-around check.
 - ▲ Startup checks
 - ▲ Starting the engine Operation after starting.
 - ▲ Stopping engine Moving the machine Lift arm operation Bucket operation Pre-Shift Checklist Daily Checklist
 - ▲ Shut down procedures Logbooks & other checklists.
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Module 4: Principles of Operation

- ▲ Precautions when operating
- ▲ Centre of gravity Loader bucket capacity Formative assessments

Module 5: Mechanical Appreciation

- ▲ Engine
- ▲ Warning Devices Troubleshooting

Module 6 Practical Operation

- ▲ General driving
- ▲ Digging operations Levelling operations Pushing operation
- ▲ Load and carry operations Loading operations.
- ▲ Cross drive loading V-shape loading
- ▲ Precautions when piling up loads Precautions for operation.
- ▲ Precautions when driving up or down slopes Parking machine.
- ▲ Acknowledgements

Purpose Of the Unit Standard

The qualifying learner will be able to operate a front-end loader by understanding the functions of starting, shutting down and operating procedures for the machine. Learners who master the applied competence described in this unit standard will contribute to the development of a professional community of Construction Plant operators.

