

**CORE COMPETENCIES
(120 HOURS)**

Unit of Competency	Learning Outcomes	Learning Activities	Methodologies	Assessment Methods	Nominal Duration
1. Perform pre- and post-operation procedures for rigid on-highway dump truck	1.1 Perform visual check of rigid on-highway dump truck	<ul style="list-style-type: none"> • Select and use of PPE • Identify and explain on-highway dump truck [rigid] capacity • Identify and explain operator serviceable parts • Perform inspection while engine is stopped/not running 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	16 Hours
	1.2 Perform "B L O W A F" check	<ul style="list-style-type: none"> • Explain procedures in performing BLOWAF check • Perform BLOWAF check 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	
	1.3 Perform operation check	<ul style="list-style-type: none"> • Explain start-up and warming procedures • Explain procedures in conducting function check while the engine is running • Perform operation of rigid on-highway dump truck components and safety devices 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	

Unit of Competency	Learning Outcomes	Learning Activities	Methodologies	Assessment Methods	Nominal Duration
	1.4 Perform post-operation procedure	<ul style="list-style-type: none"> • Explain inspection procedures while engine is cooling down • Explain how to set controls, parking and shut down procedures • Perform parking and shut-down operation 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	
2. Perform basic preventive maintenance servicing for rigid on-highway dump truck	2.1 Perform adjustment or replacement for noted defects	<ul style="list-style-type: none"> • Explain procedures in performing adjustments or replacements for noted defects • Explain usage of basic hand tools and portable powered tools • Perform adjustments or replacements for minor defects 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	24 Hours
	2.2 Perform basic preventive maintenance servicing (PMS)	<ul style="list-style-type: none"> • Explain procedures in basic preventive maintenance servicing • Enumerate Operator's Serviceable parts • Execute Basic preventive maintenance servicing (PMS) 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	
	2.3 Prepare equipment reports	<ul style="list-style-type: none"> • Explain procedures in accomplishing equipment reports • Accomplish equipment reports 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	

Unit of Competency	Learning Outcomes	Learning Activities	Methodologies	Assessment Methods	Nominal Duration
3. Perform productive operation for rigid on-highway dump truck	3.1 Prepare for loading operation	<ul style="list-style-type: none"> • Understand safe work practices • Explain and interpret ways of communication during loading operation • Identify and explain worksite conditions and safe operating techniques • Explain loading procedures 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	80 Hours
	3.2 Perform hauling operation	<ul style="list-style-type: none"> • Explain and interpret ways of communication during hauling operation • Identify and explain worksite conditions and safe operating techniques • Explain hauling procedures 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	
	3.3 Perform dumping operation	<ul style="list-style-type: none"> • Explain and interpret ways of communication during dumping operation • Identify and explain worksite conditions and safe operating techniques • Explain dumping procedures 	<ul style="list-style-type: none"> • Lecture • Practical / Demonstration 	<ul style="list-style-type: none"> • Written examination • Demonstration with oral questioning 	