1. Title	Repair hydraulic installations
2. Code	EMPERM301A
3. Range	Repair hydraulic installations in general industrial plants, power plants or other places.
4. Level	3
5. Credits	12
	 Repair various types of hydraulic control valves Pressure control valves Flow control valves Direction control valves Cartridge valves Electrolyte proportional valves

8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the techniques of using basic fault repairing instruments.
	 (iii) Capable to complete simple repair reports for various types of hydraulic pumps, hydraulic motors, hydraulic cylinders control valves, hydraulic seal devices and accessories.
Cinena	 (i) Capable to repair various types of hydraulic pumps, hydraulic motors, hydraulic cylinders control valves, hydraulic seal devices and accessories independently; (ii) Capable to diagnose the faults of hydraulic equipment and repair them independently; and
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are:
	 Fracking of the sources of pollutants Filtering of pollutants Change of working medium Inspect and change various types of seal rings O ring seal Lip ring seal Coaxial seal and supporting ring Mechanical seal Dust proof ring Repair the accessories Accumulator Oil tank Cooler Hydraulic pipes (such as steel pipe and high pressure plastic hose) and fittings 6.3 Professionalism in installing, diagnosing and repairing hydraulic equipment Follow repair guidelines to install and repair common faults in hydraulic installations Pressure out of control Action out of control Temperature abnormally high Follow repair guidelines to install, diagnose and repair hydraulic drive system and various types of control loops Pressure control loops Speed out of loops Direction control loops Eliminate the vibration and noise of the hydraulic system
	 Carry out the following on working medium Pollution inspection Tracking of the sources of pollutants