DIESEL PUMP MECHANIC

Competency Standards Code: G50S013
Source: National Competency Standard

National Certificate at NVQ Levels in the occupation of Diesel Pump Mechanic will be awarded to those who are competent in

Units 1 + 2 - G50S013Q1L2 - NVQ level 2
Units 1 + 2 + 3 - G50S013Q2L3 - NVQ level 3
Units 1 + 2 + 4 - G50S013Q3L3 - NVQ level 3
Units 1 + 2 + 6 - G50S013Q4L3 - NVQ level 3
Units 1 + 2 + 3 + 6 + 7 - G50S013Q5L3 - NVQ level 3
Units 1 + 2 + 4 + 6 + 8 - G50S013Q6L3 - NVQ level 3
Units 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 - G50S013Q7L4 - NVQ level 4



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Unit of Competency	Elements Number	Elements of Competence
1. Repair diesel supply system (G50S013U01)	**1.1**	Perform preliminary inspection & identify defects
	1.2	Inspect and remove diesel tank and lines
	1.3	Inspect and remove diesel filter assembly and feed pump
2. Repair conventional type diesel fuel injection pumps & injectors (G50S013U02)	**2.1**	Demonstrate better workmanship and attitude
	2.2	Repair / service conventional type inline diesel fuel injection pump
	2.3	Repair / service conventional type rotary diesel pump
	2.4	Repair/ service conventional type injectors
3. Service and Repair Electronic Diesel Control injection pumps (EDC) and injectors (G50S013U03)	**3.1**	Repair /service electronically controlled rotary type diesel fuel injection pump
	3.2	Repair /service electronically controlled inline type diesel fuel injection pump
	3.3	Repair/ service injectors
4. Repair Unit Injection Assembly (pump with injector), PT pump & Injectors (G50S013U04)	**4.1**	Repair/ service Unit Injection Assembly (pump with injector)
	4.2	Repair / service PT pump & injectors
5. Service and repair high pressure pump (supply pump) and injectors of Common-rail Diesel Injection (CDI) system (G50S013U05)	**5.1**	Repair /service common- rail high pressure pump (supply pump)
	5.2	Repair /service common-rail injectors
6. Test & calibrate conventional type fuel injection pumps (G50S013U06)	**6.1**	Test & calibrate conventional inline type fuel injection pumps
	6.2	Test & calibrate conventional rotary type fuel injection pumps
7. Test & calibrate Electronic Diesel Control injection pumps (EDC) (G50S013U07)	**7.1**	Test & calibrate electronic diesel control inline type fuel injection pumps
	7.2	Test & calibrate electronic diesel control rotary type fuel injection pumps
8. Test & calibrate Unit Injection Assembly and Pressure Time (PT) pump with injector (G50S013U08)	**8.1**	Test & calibrate Unit Injection Assembly (pump with injector)
	8.2	Test & calibrate PT pump with injector
9. Test & calibrate common-rail high pressure pump (supply pump) and injector (G50S013U09)	**9.1**	Test & calibrate high pressure pump (supply pump)
	9.2	Test & calibrate common- rail injector