



## Level 2 NVQ Diploma in Plant Operations (Construction)

**SQA Qualification Code: GL5G 68**

**Regulated Qualification Code: 601/8964/2**

**Total Qualification Time: 450 Hours**

To attain the qualification, learners must achieve between 45 and 93 Credits in total, depending on the chosen pathway.

This will comprise:

- ◆ both Mandatory Core units (5 Credits) plus
- ◆ the required Credits from ONE Pathway only (between 40 and 88 Credits)

**Please note:** It is important that the SQA unit codes are used in all your recording documentation and when your results are communicated to SQA.

<b>Mandatory Core units for all pathways: Learners must complete all the Units</b>					
<b>SQA unit code</b>	<b>Title</b>	<b>Credit value</b>	<b>Level</b>	<b>GLH</b>	<b>Regulated unit code</b>
FX74 81	Conforming to General Health, Safety and Welfare in the Workplace	2	1	7	A/503/1170
FX6X 68	Conforming to Productive Working Practices in the Workplace	3	2	10	J/503/1169

**Pathway 1 Cranes and Specialist Lifting (Learners must achieve a minimum of 50 credits from ONE of the following units)**

<b>SQA unit code</b>	<b>Title</b>	<b>Credit value</b>	<b>Level</b>	<b>GLH</b>	<b>Regulated unit code</b>
HE3W 68	Preparing and Operating Crawler Cranes (above 10 tonnes) to Lift and Transfer Loads in the Workplace	80	2	265	M/508/4920
HE4C 68	Preparing and Operating Tower Cranes to Lift and Transfer Loads in the Workplace	80	2	267	Y/508/4930
HE4N 68	Preparing and Operating Mobile Cranes to Lift and Transfer Loads in the Workplace	95	2	317	D/508/4931
HE4W 68	Preparing and Operating Crawler-Tractor Side Booms to Lift and Transfer Loads in the Workplace	50	2	167	J/508/4955

**Pathway 2 Extracting (Learners must achieve a minimum of 50 credits from ONE of the following units)**

<b>SQA unit code</b>	<b>Title</b>	<b>Credit value</b>	<b>Level</b>	<b>GLH</b>	<b>Regulated unit code</b>
HE53 68	Preparing and Operating Draglines to Extract Ground and/or Loose Materials in the Workplace	60	2	200	H/508/4932
HE5H 68	Preparing and Operating 180 Degree Excavators to Extract and Excavate Ground and Loose Materials in the Workplace	80	2	267	T/508/4935
HE3P 68	Preparing and Operating Tracked Loading Shovels to Extract Ground and Loose Materials in the Workplace	80	2	267	T/508/4210
HE4K 68	Preparing and Operating Motorised Scrapers to Extract, Transport and Distribute Materials in the Workplace	80	2	267	A/508/4936
HE5A 68	Preparing and Operating Trenchers to Extract Ground and/or Loose Materials in the Workplace	50	2	167	F/508/4937
HE3Y 68	Preparing and Operating 360 Degree Excavators to Extract Ground, Face and/or Loose Materials in the Workplace	80	2	267	L/508/4939
HE5C 68	Preparing and Operating Crawler Tractor Dozers to Carry Out Dozer Operations in the workplace	80	2	267	F/508/4940

**Pathway 3 Excavating (Learners must achieve a minimum of 50 credits from ONE of the following units)**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE5H 68	Preparing and Operating 180 Degree Excavators to Extract and Excavate Ground and Loose Materials in the Workplace	80	2	267	T/508/4935
HE5C 68	Preparing and Operating Crawler Tractor Dozers to Carry Out Dozer Operations in the Workplace	80	2	267	F/508/4940
HE5T 68	Preparing and Operating Draglines to Excavate Ground Materials in the Workplace	60	2	200	H/508/4946
HE4G 68	Preparing and Operating 360 Degree Excavators to Excavate Ground in the Workplace	80	2	267	K/508/4947
HE40 68	Preparing and Operating Trenchers to Excavate Ground in the Workplace	50	2	167	T/508/4949
HE47 68	Preparing and Operating Tracked Loading Shovels to Excavate Ground and Loose Materials in the Workplace	80	2	267	H/508/5661

**Pathway 4 Constructing and Forming (Learners must achieve a minimum of 52 credits from ONE of the following units)**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE3R 68	Preparing and Operating Graders to Form and Shape Ground and/or Loose Materials in the Workplace	70	2	233	M/508/4951
HE5C 68	Preparing and Operating Crawler Tractor Dozers to Carry Out Dozer Operations in the Workplace	80	2	267	F/508/4940
HE60 68	Preparing and Operating Formwork Rigs to Construct and Form in the Workplace	52	2	173	K/508/4821

**Pathway 5 Transporting Loads (Learners must achieve 70 credits from the following Mandatory unit)**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE48 68	Preparing and Operating Truck-Mounted Boom Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace	70	2	233	A/508/4953

**Pathway 6 Laying and Distributing (Learners must achieve a minimum of 40 credits from ONE of the following units)**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE5C 68	Preparing and Operating Crawler Tractor Dozers to Carry Out Dozer Operations in the Workplace	80	2	267	F/508/4940
HE4R 68	Preparing and Operating Soil Stabilisers to Lay and Distribute Materials in the Workplace	40	2	133	Y/508/4958

**Pathway 7 Road/Rail (minimum of 88 credits)**

**Mandatory unit for Pathway 7 — Road/Rail (Learners must achieve 8 credits from the following unit) — plus see optional units for Pathway 7 below**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE5K 68	Preparing and Operating Road/Rail Adapted Plant in the Workplace	8	2	27	D/508/4959

**Pathway 8 Attachments (minimum of 87 credits)**

**Mandatory unit for Pathway 8 — Road/Rail (Learners must achieve 7 credits from the following unit) — plus see optional units for Pathway 8 below**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE3V 68	Preparing and Operating Plant or Machinery Attachments in the Workplace	7	2	23	Y/508/4961

**Optional units for Pathways 7 and 8 (Learners must achieve 80 credits from ONE of the following units)**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE5H 68	Preparing and Operating 180 Degree Excavators to Extract and Excavate Ground and Loose Materials in the Workplace	80	2	267	T/508/4935
HE3P 68	Preparing and Operating Tracked Loading Shovels to Extract Ground and Loose Materials in the Workplace	80	2	267	T/508/4210
HE3Y 68	Preparing and Operating 360 Degree Excavators to Extract Ground, Face and/or Loose Materials in the Workplace	80	2	267	L/508/4939

### Optional units for Pathways 7 and 8 (cont)

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE5C 68	Preparing and Operating Crawler Tractor Dozers to Carry Out Dozer Operations in the Workplace	80	2	267	F/508/4940
HE4G 68	Preparing and Operating 360 Degree Excavators to Excavate Ground in the Workplace	80	2	267	K/508/4947

### Pathway 9 In-shore Marine (minimum of 43 credits)

**Mandatory unit for Pathway 9 — In-shore Marine (Learners must achieve 36 credits from the following unit) — plus see optional units for Pathway 9 below**

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE50 68	Preparing and Operating Plant or Machinery from a Floating Vessel in the Workplace	36	2	120	L/508/4973

### Optional units for Pathway 9 (Learners must achieve 7 credits from the following units)

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE5N 68	Preparing and Operating Compact Cranes to Lift and Transfer Loads in the Workplace	30	2	100	M/508/1600
HE3W 68	Preparing and Operating Crawler Cranes (above 10 tonnes) to Lift and Transfer Loads in the Workplace	80	2	265	M/508/4920
HE4N 68	Preparing and Operating Mobile Cranes to Lift and Transfer Loads in the Workplace	95	2	317	D/508/4931
HE52 68	Preparing and Operating Pedestrian Operated Tower Cranes to Lift and Transfer Loads in the Workplace	30	2	100	T/508/1601
HE3N 68	Preparing and Operating Excavator Cranes to Lift and Transfer Loads in the Workplace	30	2	100	F/508/1603
HE45 68	Preparing and Operating Telescopic Handlers to Lift and Transfer Loads in the Workplace	25	2	83	K/508/1644

### Optional units for Pathway 9 (cont))

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE59 68	Preparing and Operating Lorry Loaders or Knuckle Booms to Lift and Transfer Loads in the Workplace	30	2	100	D/508/4203
HE5T 68	Preparing and Operating Draglines to Excavate Ground Materials in the Workplace	60	2	200	H/508/4946
HE4G 68	Preparing and Operating 360 Degree Excavators to Excavate Ground in the Workplace	80	2	267	K/508/4947
HE48 68	Preparing and Operating Truck-mounted Boom Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace	70	2	233	A/508/4953
HE57 68	Preparing and Operating Trailer-mounted Concrete Pumps to Receive, Pump and Discharge Materials in the Workplace	18	2	60	R/508/4859
HA71 79	Preparing and Operating Boom-type Mobile Elevating Work Platforms (MEWP) in the Workplace	14	2	47	D/508/1107
HE4A 68	Preparing and Operating Powered Units, Tools or Pedestrian Plant, Machinery or Equipment in the Workplace	7	2	23	H/508/4753

### Pathway 10 Erecting and Dismantling (Learners must achieve 51 credits from the following Mandatory units)

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE58 68	Slinging and Hand Signalling the Movement of Suspended Loads in the Workplace	10	2	33	F/508/4971
HE5F 68	Erecting and Dismantling Plant (cranes and rigs) in the Workplace	36	2	120	A/508/4984
FX73 68	Moving, Handling and Storing Resources in the Workplace	5	2	17	F/503/1171

### Pathway 11 Road Plant or Machinery (Learners must achieve 49 credits from the following Mandatory unit)

SQA unit code	Title	Credit value	Level	GLH	Regulated unit code
HE5M 68	Preparing, Operating and Controlling Operations of Road Plant or machinery in the Workplace	49	2	163	F/508/4985

**Additional units for all pathways (not compulsory, credit value: N/A)**

<b>SQA unit code</b>	<b>Title</b>	<b>Credit value</b>	<b>Level</b>	<b>GLH</b>	<b>Regulated unit code</b>
FX73 68	Moving, Handling and Storing Resources in the Workplace	5	2	17	F/503/1171
HE61 66	Operating Plant or Machinery for Non-operational Activities in the Workplace	10	2	33	D/508/5058