

SVQ in Plant Operations Extractives at SCQF Level 5						
SQA Reference Number	GL0J22			Accreditation Start Date:	Accreditation End Date:	Certification End Date:
Level:	SCQF 5	Credits:	26	16/12/2015	31/12/2024	31/12/2026
Qualification Purpose:	Primary Purpose - Confirm competence in an occupational role to the standards required Additional Purpose – To aid selection into a specific job role					
Applicable National Occupational Standard(s):	Plant Operations for the Extractive and Minerals Processing Industries Please see the NOS database for details https://www.ukstandards.org.uk/					
Qualification Summary:	This qualification covers the operation of mobile plant in the extractive and mineral processing industries and is specific to that environment. <u>It is not appropriate for plant operations in a construction context as there is a separate qualification specifically designed to meet the needs of such job functions.</u>					
Qualification Structure:	This qualification consists of 4 Mandatory Units and 8 Optional Units, multiple optional units can be completed by the Candidate, but evidence must clearly cover all criteria within them. The Candidate must achieve all the four Mandatory Units in Group A plus at least one Optional Unit in Group B in order to attain the full qualification. Group C includes Additional Units that are available for Learners to extend their certification; learners are recommended to complete as many of these as possible where they are able to produce evidence of competent performance. Unit Registration and certification is available.					
Pre-Entry Requirements:	None					
Exemptions:	Exemptions will be considered on an individual basis where the Candidate has achieved an equivalent unit in the Extractive and Mineral Processing Industries within the last 5 years.					
Language of Assessment:	English					
Progression Route:	Candidates can undertake additional optional units as progression to a multi-skilled operative					

Group A - Mandatory Units (All Routes)	Mandatory Units (M)	SCQF Level	Credits	SQA Reference	MP Awards Reference	GLH
Unit Title						
Conform to General Workplace Safety and Security	M	6	3	N/A	MPQPO06	N/A
Monitor and Maintain Environmental Conditions in Your Area of Responsibility	M	5	3	N/A	MPQPO16	N/A
Conform to Efficient Working Practices	M	5	4	N/A	MPQPO02	N/A
Prepare Plant Prior to Operational Performance	M	4	3	N/A	MPQPL386	N/A
Group B - Optional Units (At least one must be completed)	Optional Units (O)	SCQF Level	Credits	SQA Reference	MP Awards Reference	GLH
Operate Plant to Extract	O	5	8	N/A	MPQPL388	N/A
Operate Plant to Excavate	O	5	13	N/A	MPQPL389	N/A
Operate Plant to Construct and Form	O	5	13	N/A	MPQPL390	N/A
Operate Plant to Receive and Transport Loads	O	5	8	N/A	MPQPL391	N/A
Operate Mobile Elevated Work Platforms	O	5	8	N/A	MPQPL392	N/A
Operate Plant to Lay and Distribute	O	4	13	N/A	MPQPL393	N/A
Operate Plant to Compact	O	5	5	N/A	MPQPL394	N/A
Operate Plant to Lift and Transfer	O	4	10	N/A	MPQMG54	N/A
Group C - Additional Units	Additional Units (A)	SCQF Level	Credits	SQA Reference	MP Awards Reference	GLH
Arrange and Secure Loads for Transportation	A	4	8	N/A	MPQPL397	N/A
Operate Plant Attachments	A	4	4	N/A	MPQPL399	N/A
Additional Information Relating to the Use of Attachments						
<p>When delivering the qualification on a piece of equipment that has a removable attachment, i.e. a bucket on an Excavator or forks on a Telehandler the assessment should be undertaken in the primary configuration using the Mandatory and Optional units.</p> <p>If additional attachments are available and are to be included in the assessment to demonstrate competence, then the Additional unit PL399 must be used and the appropriate attachments selected in the table on the registration and CAR forms for inclusion on the certificate.</p> <p>This also applies if an assessment is undertaken on a Tractor with Towed Equipment (this being the primary configuration), the use of further attachments with the Tractor would be covered with the Additional unit PL399.</p>						

Centre Staff Requirements:**Assessors** and **Internal Verifiers** must:

1. Be **registered** and recognised **by an Approved Centre, registered and approved by MP Awards**.
2. Hold, or are working towards the appropriate qualification as listed in the table below:

Assessor	Internal Verifier
<ul style="list-style-type: none"> • Level 3 Award in Assessing Competence in the Work Environment, or • Level 3 Certificate in Assessing Vocational Achievement, or • SQA Accredited L&D 9DI Assess Workplace Competence Using Direct and Indirect Methods (SCQF Level 8), or • A1 Assess Learners Using a Range of Methods*, or • D32 and D33 Assess Learner Performance Using Differing Sources of Evidence*. 	<ul style="list-style-type: none"> • Level 4 Award in the Internal Quality Assurance of the Assessment Process and Practice, or • Level 4 Certificate in Leading the Internal Quality Assurance of Assessment Process and Practice, or • SQA Accredited L&D 11 Internally Monitor and Maintain the Quality of Workplace Assessment (SCQF Level 8), or • V1 Conduct Internal Verification of the Assessment Process*, or • D34 Internally Verify the Assessment Process*.

*Holders of A1, D32 or D33 must:

- Assess to the revised National Occupational Standards (NOS) for Assessment;
- Show evidence of CPD to the revised NOS;
- Show evidence of having assessed within the last 18 months;

*Holders of V1 or D34 must:

- Verify to the revised National Occupational Standards (NOS) for Internal Verification;
- Show evidence of CPD to the revised NOS;
- Show evidence of having internally verified within the last 18 months.

Assessment Methods:

Must be assessed and quality assured in accordance with the MP Futures SSO Assessment Strategy and MP Awards evidence requirements.

For this qualification all learning outcomes must be assessed using methods appropriate to the assessment of competence-based qualifications. There must be valid, authentic and sufficient evidence for all the assessment criteria. There is no requirement for each unit to be assessed separately. Indeed, Assessors are encouraged to adopt a holistic approach, but it is essential that evidence for the assessment criteria in each unit is also identified individually.

The primary source of performance evidence will be from examining products of work produced by the Candidate supported by observation in the workplace, Candidate testimony and questioning/discussions, supported by other forms of evidence such as witness testimonies.

Simulation is generally not allowed, exceptions to this will be indicated in the appropriate Assessment Strategy/ies, these must be agreed prior to use with the External Verifier

Minimum Performance Evidence Requirements:

Competence must be demonstrated by repeatable performance in the workplace over a minimum period of **10 weeks**.

This timeframe should be measured from the first to the last assessment and **must include a minimum of 2 observations on different dates.**

Assessing Knowledge and Understanding:

For this qualification all learning outcomes must be assessed using methods appropriate to the assessment of workplace knowledge. There must be valid, authentic and sufficient evidence for all of the assessment criteria. The examples in the list are not exhaustive.

Holistic approach is encouraged. Verbal/written questioning (recorded); Professional interview (recorded); Candidate statements

Assessment System: Whilst Approved Centres are free to develop their own assessment record system; MP Awards has developed a ready-made system for Centres to use which is available at no cost. However, Centres are advised to check with MP Awards when devising their own assessment system to ensure it meets the standards in full.

Endorsements: Please see below

Fee Structure

Full Qualification and Unit registration fees which are inclusive of certification fees can be found on the approved price list, details are available on the website or by contacting MP Awards on 0115 972 6121

Review of Charges: Fees are reviewed annually and any changes notified to Approved Centres in October for implementation in January

Plant Operations Endorsements			
Pathway & Title	Plant Types in Pathway	Endorsements on Registration, CAR Forms & Certificate	Assessor/IQA Approval Endorsements
Pathway 1 - Lift and Transfer	Lift Trucks	Fork Lift Truck – Counterbalance	Fork Lift Truck – Counterbalance
		Fork Lift Truck – Reach Truck	Fork Lift Truck – Reach Truck
		Fork Lift Truck – Rough Terrain	Fork Lift Truck – Rough Terrain
		Fork Lift Truck – Tele Truck	Fork Lift Truck – Tele Truck
		Telehandler – industrial telescopic up to 10 metres	Telehandler
		Telehandler – industrial telescopic all sizes	
		Telehandler – industrial telescopic all sizes 360-degree	Telehandler 360 degree
	Materials Handler	Block Grab	Block Grab
		Clam Shell Grab	Clam Shell Grab
	Cranes	Cranes-overhead	Cranes-overhead
	Skip Handlers	Skip handlers	Skip handlers
	Lorry Loader	Lorry Loader	Lorry Loader
Pathway 2 - Extract	Excavators	Backhoe Loader - 180 degree; Quarry operations – up to 6 tonnes	Backhoe Loader - 180 degree
		Backhoe Loader - 180 degree; Quarry operations – over 6 tonne	
		Backhoe Loader - 180 degree; – non-quarry operations	
		360-degree Excavator – below 10 tonne wheeled	360 degree Excavator - non-quarry - wheeled
		360-degree Excavator – below 10 tonne tracked	360 degree Excavator - non-quarry - tracked
		360-degree Excavator – non-quarry operations - above 10 tonne wheeled	360-degree Excavator - quarry operations

		360-degree Excavator – non-quarry operations - above 10 tonne tracked	360-degree Excavator - quarry face operations
		360-degree Excavator – Quarry Operations - 11 to 30 tonne – standard reach	
		360-degree Excavator – Quarry Operations - 11 to 30 tonne – long reach (over 6.1m)	
		360-degree Excavator – Quarry Operations - 11 to 30 tonne – face shovel	
		360-degree Excavator – Quarry Operations - 31 to 60 tonne – standard reach	
		360-degree Excavator – Quarry Operations - 31 to 60 tonne – long reach (over 6.1m)	
		360-degree Excavator – Quarry Operations - 31 to 60 tonne – face shovel	
		360-degree Excavator – Quarry Operations - 61 to 100 tonne – standard reach	
		360-degree Excavator – Quarry Operations - 61 to 100 tonne – long reach (over 6.1m)	
		360-degree Excavator – Quarry Operations - 61 to 100 tonne – face shovel	
		360-degree Excavator – Quarry Operations - above 100 tonne – standard reach	
		360-degree Excavator – Quarry Operations - above 100 tonne – long reach (over 6.1m)	
		360-degree Excavator – Quarry Operations - above 100 tonne – face shovel.	
	Loading Shovels	Wheeled loading shovels – non-quarry operations	Wheeled loading shovels – non-quarry operations
		Wheeled Loading Shovels Quarry operations – up to 6	Wheeled loading shovels – quarry

		tonne bucket capacity	operations
		Wheeled Loading Shovels Quarry operations – over 6 tonne bucket capacity	
		Tracked Loading Shovels	Tracked Loading Shovels
	Skid Steer Loaders	Skid Steer Loader	Skid Steer Loader
	Motorised Scrapers	Motorised Scrapers - Quarry operations	Motorised Scrapers
		Motorised Scrapers - Landfill operations	
	Trenchers	Trenchers	Trenchers
	Draglines	Draglines	Draglines
	Dozers	Dozers	Dozers
Pathway 3 - Excavate	Excavators	Backhoe Loader - 180 degrees – non-quarry operations	Backhoe Loader - 180 degree
		360-degree Excavator – below 10 tonne wheeled	
		360-degree Excavator – below 10 tonne tracked	
		360-degree Excavator – non-quarry operations - above 10 tonne wheeled	360-degree Excavator - non-quarry - wheeled
		360-degree Excavator – non-quarry operations - above 10 tonne tracked	360-degree Excavator - non-quarry - tracked
	Loading Shovels	Wheeled loading shovels – non-quarry operations	Wheeled loading shovels – non-quarry operations
	Loader Compressors	Loader Compressors	Loader Compressors
	Trenchers	Trenchers	Trenchers
	Dozers	Dozers	Dozers
Pathway 4 - Construct and Form	Graders	Grader	Grader
	Dozers	Dozers	Dozers
Pathway 5 - Receive and Transport	Dump Trucks	Dump truck – articulated chassis – up to 15 tonnes	Dump truck – articulated chassis
		Dump truck – articulated chassis – all sizes	
		Dump truck – rigid chassis – up to 15 tonnes	Dump truck – rigid chassis

		Dump truck – rigid chassis – up to 50 tonnes	
		Dump truck – rigid chassis – 50 to 100 tonnes	
		Dump truck – rigid chassis – above 100 tonnes	
	Concrete Pumps	Concrete Pumps	Concrete Pumps
	Forward Tipping Dumpers	Forward Tipping Dumper – wheeled	Forward Tipping Dumper – wheeled
		Forward Tipping Dumper – tracked	Forward Tipping Dumper – tracked
	Tractors, with Towed Equipment	Tractors, with Towed Equipment	Tractors, with Towed Equipment
	Self-Propelled Bowsers	Fuel Bowser	Self-Propelled Bowsers
		Water Bowser	
		Slurry Tanker	
	Site Truck	Site Truck	Site Truck
	Site Truck Mixers	Site Truck Mixers	Site Truck Mixers
	Site Road Sweepers	Site Road Sweepers	Site Road Sweepers
	Vacuum Trucks	Vacuum Trucks	Vacuum Trucks
Pathway 6 - Mobile Elevated Work Platform	MEWP – boom	MEWP – boom self-propelled	MEWP – boom
		MEWP – boom vehicle mounted	
	MEWP – scissor	MEWP – scissor	MEWP – scissor
Pathway 7 - Lay and Distribute	Motorised Scrapers	Motorised Scrapers - Quarry operations	Motorised Scrapers
		Motorised Scrapers - Landfill operations	
	Towed Scrapers	Towed Scrapers	Towed Scrapers
	Dozers	Dozers	Dozers
Pathway 8 - Compact	Ride on Roller (Dry Stone Only)	Ride on Roller – vibratory	Ride on Rollers
		Ride on Roller – pedestrian operated	

		Ride on Roller – deadweight	
		Ride on Roller – pneumatic tyred	
	Compactors	Soil Compactors	Compactors
		Landfill Compactor	
Plant Attachments - to be selected if the additional unit PL399 is used			
	Auger/Drill		
	Pecker/Hammer		
	Grab/Clamp		
	Working Platforms		
	Bucket - standard		
	Bucket - multi-directional		
	Crusher		
	Sweeper		
	Mower		
	Lift hook		
	Lifting Jib		
	Forks		
	Mixer		
	Gritter		
	Snowplough/Blade		