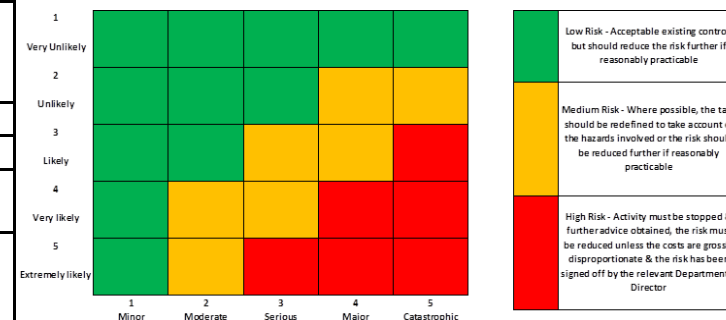


<b>Assessment Title</b> (Task, process, equipment or facility)		<b>Working with Portable Angle Grinders</b>	
<b>Location</b>	<b>Customer Premises &amp; Company Workshops</b>	<b>Date</b>	<b>01/04/2025</b>
		<b>Review date</b>	<b>31/03/2026</b>
<b>Prepared By (Team)</b>		<b>Michael Wright Site Technician, Richard Lewis</b>	
<b>Legal / Best Practice Requirements / links to other assessments (eg COSHH)</b>		<b>PUWER / Electricity at Work</b>	



Hazard	Risk	Effect (Who / what affected)	Initial Risk			Current Controls (inc practices/ procedures)	Actual Risk			Additional Controls (inc practices/ procedures)	Action by and when
			Likelihood	Severity	Risk Level		Likelihood	Severity	Risk Level		
Electrocution	Various injuries with the possibility of death	TMHUK employees / customer / contractor / property & equipment damage	2	5	M	1. Specific training on use & maintenance of tools is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 11-Working with Electricity). 3. All technicians are to follow the procedure detailed in SWP-11-Working with Electricity. 4. All electrical equipment will be subject to periodic inspection & testing. 5. Electrical equipment will be used & maintained in accordance with SM-28 Electricity at Work 6. Manufacturers instructions must be followed at all times.	1	5	L	<b>All appropriate controls are in place that are reasonably practicable, no further action is necessary</b>	
Hot Work	Burns / inhalation	TMHUK employees	2	4	M	1. Specific training on general H&S is supplied via the TMHUK training programme. 2. The training will be supported by a Safe Working Practice (SWP 08-Hot Working) as well as SWP 01"Work Area", 32"PPE", 08"In Case of Fire" & SWP 30"Carrying & Working with Welding Gases". 3. All technicians are to follow the procedure detailed in SWP-08 - Hot Works and WPRA-08 Hot Working.	1	4	L	<b>Site Specific Risk Assessment may be required</b>	Technician, STM, ESM

Hazard	Risk	Effect (Who / what affected)	Initial Risk			Current Controls (inc practices/ procedures)	Actual Risk			Additional Controls (inc practices/ procedures)	Action by and when
			Likelihood	Severity	Risk Level		Likelihood	Severity	Risk Level		
Contact with moving parts, wheel or disc.	Various injuries to the upper & lower body with the possibility of death	TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage	2	5	M	1. Specific training on the use & maintenance of tools is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 11-Working with Electricity). 3. All technicians are to follow the procedure detailed in SWP-11-Working with Electricity. 4. All moving parts are to be suitably guarded, if the guard is not present or damaged then the machine is not to be used. 5. All electrical equipment will be subject to periodic inspection & testing. 6. Discs will have an expiry date stamped on them. This is usually found stamped/engraved on the central metal ring or on the disc itself. Occasionally it will be on a label attached to the disc. It is important to note that this is a "use by" date that should never be exceeded. 7. Manufacturers instructions must be followed at all times.	1	5	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	
Entanglement	Various injuries such as severed upper limbs	TMHUK employees / customer / 3rd party contractors / property & equipment damage	2	4	M	1. Specific training on the use & maintenance of tools is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 11-Working with Electricity). 3. All technicians are to follow the procedure detailed in SWP-11-Working with Electricity. 4. Operators must not wear loose clothing or jewellery that may become entangled in moving parts. 5. Manufacturers instructions must be followed at all times.	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	
Flying particles, dust or sparks	Various injuries to the upper & lower body / skin damage / inhalation / eye contact / battery explosion	TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage	3	3	M	1. Specific training on the use & maintenance of tools is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 11-Working with Electricity). 3. All technicians are to follow the procedure detailed in SWP-11-Working with Electricity. 4. Operators to wear appropriate PPE. 5. All electrical equipment will be subject to periodic inspection & testing. 6. Batteries should be covered or removed to reduce the risk of explosion. 7. Operators will ensure that all persons are kept away from areas where sparks or dust is directed. 8. Other methods should be considered to cut steel where possible. 9. Good housekeeping to be observed. 10. Manufacturers instructions must be followed at all times.	1	3	L	Site Specific Risk Assessment may be required	Technician, STM, ESM

Hazard	Risk	Effect (Who / what affected)	Initial Risk			Current Controls (inc practices/ procedures)	Actual Risk			Additional Controls (inc practices/ procedures)	Action by and when
			Likelihood	Severity	Risk Level		Likelihood	Severity	Risk Level		
Noise & vibration	Loss of hearing & hand arm vibration	TMHUK employees	2	4	M	1. Specific training on the use & maintenance of tools is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 11-Working with Electricity). 3. All technicians are to follow the procedure detailed in SWP-11-Working with Electricity. 4. Operators to wear appropriate PPE. 5. Noise & vibration levels are checked when purchasing new equipment. 6. High risk noise & vibration levels will undergo further assessment to establish allowable exposure times. 7. Grinding & cutting discs should be kept in good condition to reduce out of balance vibration. 8. Angle grinders will only be used when standing on a firm, level base. 9. All machine controls will be clearly marked. 10. Manufacturers instructions must be followed at all times. 11. High usage (welders and painters) Team Members are to record all usage on the HAVS system	1	4	L	<b>All appropriate controls are in place that are reasonably practicable, no further action is necessary</b>	
Unauthorised use	Inexperience & inability to operate equipment / machinery	TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage	2	4	M	1. Specific training on the use & maintenance of tools is supplied via the TMHUK training programmes. 2. No unauthorised persons are to use any form of grinding tool.	1	4	L	<b>All appropriate controls are in place that are reasonably practicable, no further action is necessary</b>	

Hazard	Risk	Effect (Who / what affected)	Initial Risk			Current Controls (inc practices/ procedures)	Actual Risk			Additional Controls (inc practices/ procedures)	Action by and when
			Likelihood	Severity	Risk Level		Likelihood	Severity	Risk Level		
Bursting of abrasive wheels or disc	Various injuries to the upper & lower body / skin damage / eye contact	TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage	2	4	M	1. Specific training on the use & maintenance of tools is supplied via the TMHUK training programmes. 2. Induction training includes the use of grinding tools & replacing grinding wheels. 3. All technicians are to follow the procedure detailed in SWP-11-Working with Electricity. 4. All electrical equipment will be subject to periodic inspection & testing. 5. Electrical equipment will be used & maintained in accordance with SM-28 Electricity at Work. 6. Equipment & discs will be visually checked for damage before each use by operators, ensuring operating speeds is indicated. 7. All good quality discs will have an expiry date stamped on them. This is usually found stamped/engraved on the central metal ring or on the disc itself. Occasionally it will be on a label attached to the disc. It is important to note that this is a "use by" date that should never be exceeded. 8. Good housekeeping will be observed. 9. Manufacturers instructions must be followed at all times.	1	4	L	<b>All appropriate controls are in place that are reasonably practicable, no further action is necessary</b>	
Non use of PPE	Various injuries to the human physique / possibility of death	TMHUK employees	2	5	M	1. Specific training on the use of PPE is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 32-PPE). 3. It is mandatory for all technicians to wear industrial shoes/boots, company overalls, gloves, company issued goggles & hearing protection. 4. All technicians will adhered to TMHUK & customers site procedures regarding PPE requirements. 5. Manufacturers instructions must be followed at all times.	1	5	L	<b>All appropriate controls are in place that are reasonably practicable, no further action is necessary</b>	
Young persons, by virtue of physical limitations, inexperience & the inability to recognise, or youthful disregard, for danger	Various injuries to the human physique	TMHUK employees / customer / 3rd party contractors / site visitors	2	4	M	1. Nobody under the age of 18 years should be allowed to operate portable angle grinders unless suitably trained & then only when under constant supervision. 2. Reference must be made to HR policy PS-029 in regard to young persons.	1	4	L	<b>All appropriate controls are in place that are reasonably practicable, no further action is necessary</b>	