



RISK ASSESSMENT

DATE: 09.04.2008

Agricultural Demo Engines

Tralee Institute of Technology





ITEM	TASK	WHAT IF?	HAZARD	CONTROL
1	<p>Operator fills fuel tanks with diesel</p> 	<p>Diesel is spilled onto the floor</p>	<p>Slips on fuel Fire</p>	<ul style="list-style-type: none"> Spill trays are rolled under fuel tanks during refuelling 

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2	Operator connects extraction system to engine exhaust pipe 	<ul style="list-style-type: none"> Extractors are not fitted 	<ul style="list-style-type: none"> Exhaust fumes overcome the users 	<ul style="list-style-type: none"> Signs clearly instruct users to use extractors 
3	Operator checks engine sump for oil level 	Oil drops spill on the floor	<ul style="list-style-type: none"> Slips and falls 	<ul style="list-style-type: none"> Spills are cleaned up immediately and sufficient cleaning material is available 

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4	<p>Operator collects battery from charging cell</p>  	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Acid burns from battery 	<ul style="list-style-type: none"> • When handling batteries protective clothing is worn, ie. Eye protection, hand/arm protection, body protection • Signs warn users of the hazards  • Signs instruct the use of protective equipment 

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<p>5</p>	<p>Operator connects battery to engine leads</p> 	<ul style="list-style-type: none"> • Third party has the starting controls engaged 	<ul style="list-style-type: none"> • Entanglement with moving components, i.e. Flywheels, PTO's, fans 	<ul style="list-style-type: none"> • Starting controls are immediately in front of the lead operator • All moving components are guarded   
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6	Operator engages the start control and engine fires	<ul style="list-style-type: none"> A student touches the exhaust pipe 	<ul style="list-style-type: none"> Noise Burns 	<ul style="list-style-type: none"> All users are instructed to wear ear protection Exhaust pipes have a shield fitted
7.	Operator shuts down engine to allow maintenance to be carried out		<ul style="list-style-type: none"> Dermatitis from oils 	<ul style="list-style-type: none"> Students are advised to use barrier creams

