



CSC Fleet Services Ltd.

Review Date:		Location: All work areas			Assessor			Assessment Date			
Assessment description		4. Use of propane & acetylene – welding,									
Substance Group/Reference		Gas – propane & acetylene									
Who Is at Risk		Fitters									
Hazard	Raw Risk (no control measures)			Current Control Measures	Operational Risk (with control measures)			Possible Additional Controls	Residual Risk (with additional controls)		
	P	S	R		P	S	R		P	S	R
Explosion/fire - burns	4	5	20	No smoking. Regularly check pipework for leaks. do not work close to naked flames or heat sources. Wear PPE - welding visor, Gloves, fire-retardant clothing	3	5	15	Cordon off area of work to prevent unauthorized access & possibility for smoking or naked flames by a member of public	1	5	5
Inhalation of fumes/gases	4	5	20	Work in well-ventilated areas. Regularly check pipework for leaks.	3	5	15	PPE. welding visor, Gloves, fire-retardant clothing	2	5	10
Splashes to skin/eyes	3	4	9	Pour/transfer liquids slowly, wear PPE (gloves, goggles).	2	3	6	Wear full protection, eyes, nose, skin, etc	1	3	3
Explosion/Fire	4	5	20	Do not smoke or handle oils near a naked flame/heat	2	5	10	Oil storage tanks should be remote from the transfer point, (pump or transfer point inside workshop, tank on outside)	1	5	5
Exposure-cold possibility of freeze on valves	4	4	16	Ensure awareness training and avoid touching the exposed area of the valve	2	4	8	Wear protective thick/thermal gloves when handling propane.	1	4	4

P = Probability S = Severity R = Risk (Severity x Likelihood) = Risk Rating and can be a number between 1 and 25

Risk Classification – 0-5: Low Risk, 6-15: Medium Risk, 16-25: High Risk

Severity		Likelihood	
1	Minor injury- chemical burn, allergic reaction	1	Minor risk of injury or ill health. Employees are to always follow safe practice
2	Injury requiring treatment unlikely result of absence from work	2	Possibility, Employees are to always follow safe practice
3	Serious injury- possibly requiring hospital attendance	3	Possible, Employees are to always follow safe practice
4	Severe injuries-chemical burn, inhalation, attendance hospital	4	Probable: Employees are to always follow safe practice
5	Serious or fatal injury	5	Conducting the task should cease until safety measures are adequate