



RML Assumptions:	Machine has no electronic guarding at all at initial assessment, frame is present.
Keywords:	See "Example Keywords" sheet for further keywords

N	No. Assembly					Initial assessment						Re-assessment after taking action Residual Risk								
		Assembly	Machine Location	Type of Hazard	Potential consequences	Comments	LO	FE D	PH NP	HRN	Risk leve	Action required	LO	FE DI	РΗ	NP	HRN	Risk level	Demiliand	
6			Driver Pully Assembly Driven Pully Assembly	Kinetic energy (Drawing in Nip Points/Crushing Shearing)	Injuries include amputations, lacerations, confusions crushing of tissues and bones, and broken bones.	Hazards - drawing in of operator getting caught in belthangied with power belt. Why is the hazard there - Conveyor running at linear speed >500mm/s. What drives the hazard - Electric Most chard clothing-hair becoming caught in Belt. How could harm be caused - Operator har held becoming caught in Belt. Why would the hazard occur - Operator intervention or inspection around the conveyor Potential occurrence of hazard - Possible Possible harm-planking, Lacerations, Break Minor Bone	2	4	2 1	16	Low, significan	Operator / Maintenance Staff Awareness Nip Point Warning Signs	2	4 :	2	1	16	Low, significant	Operator / Maintenance Staff Awareness and Training	
			Motor And Gearbox Assembly	Thermal Energy	1. The winding insulation & boaring deteriorates 2. Increases in the temporature of an electric motor reduce its lifespan (Motor Ambient working temperature = <60 deg calcius) (Gearbox Ambient temperature <= 80 deg calcius)	Hazards - 1. Burns due to contact with hot Surface of the motor and Gearbox. 2. Note insulation any perheled and can cause short circuits and permanent damage to the motor. Why is the hazard there - Motors with a gearbox combination drives the conveyor and tend to heat (extensive temperatures >60 deg celcius can be fazardis). What drives the hazard - Excitorial Energy and Fricial What drives the hazard - Excitorial Energy and Fricial What drives the hazard - Excitorial Energy and Fricial What drives the hazard - Corporation in contact with hot motor and gearbox Surface. Why would the hazard occur- Operator intervention or inspection around the machine, intervention by maintenance personnel, Possible harm - Minor burns.	8	4	1.5 1	16	Low, significan	Operator / Maintenance Staff Awareness Hot Surface Warning Signs	5	4 0	.5	1	10	Low, significant	Operator / Maintenance Staff Awareness and Training	
	6 Outfeed Assembly			1. Noise 2. Vibration	(IFANS) wrotes anticles by FANS commonly report (IFANS) wrotes anticles by FANS commonly report 2. Tingling and loss of sensation in the figures 3. Pain and cods sensations between perodic white fingers attacks 4. Loss of gip stempth & Bone cysts in fingers and wrists 5. Noise may damage hearing - Stress	Hazards -vibrate and generates excessive force in the bearing area and reduces the life of the machine Why is the hazard there - Electric Motor drives the belt regardless of any minute missalignment which may further cause vibration. What drives the hazard -Electrical Energy. How could harm be caused - Operator intervention or inspection around the machine, intervention by maintenance personnel. Why would the hazard occur - Operator intervention or inspection around the machine, intervention by maintenance personnel. Potential occurrence of whazard - Costnativity. Potential occurrence of whazard - Costnativity. 2 Noise may damage hearing (Permissible limit is 75 dB for daytime and 70 dB at night from 1m Distance)	1.5	5.0	2.0 1.0	15.0	Low, significan	t Regular Maintance		1.5 2	0	1.0	4.5	Negligible	Regular Maintenance	
			Motor Assembly	EMF/ Electro static		Hazards - electrical shock, fire and arc flash.	0.033	4	15 1	1.98	Negligible	Use best practice design	0.03	4 1	5	1	1.8	Negligible		
				Parts becoming live under fault conditions / Short-circuit / Overload		Why is the hazard there - When power up the Electric Motor & its power cables are open and fed up floor - What drives the hazard - Electrical Energy - How could harm be caused - Operator in contact with hot motor and gearbox Surface Why would the hazard occur- Operator intervention or inspection around the machine, intervention by maintenance personnel. Possible harm - Minor burns , Electrocution	0.033	4	.5 1	0.066	Negligible	Use best practice design	0.03	4 0	.5	1	0.06	Negligible		
					Electrocution		0.033	4	.5 1	0.066	Negligible	Use best practice design	0.03	4 0	5	1	0.06	Negligible	Operator / Maintenance Staff Awareness and Training	
							0.033	4	15 1	1.98	Negligible	Use best practice design	0.03	4 1	5	1	1.8	Negligible		