applied acoustic design

Noise Assessment- Unit 24 Arun Business Park, Bognor Regis, PO22 9SX West Sussex

Activity	Noise source	Noise level (dB LpA)	Distance (meters)	Power level (Db LwA)	On time Per hour	LwA, 1hr (Db)	SEL (Db)
Air line	Compressor	65.0	1	70.0	25%	64.0	99.5
Tyre fitting					Seconds		
	Trolley jack dragged	85.0	1	90.0	10	64.4	100.0
	Removing wheel	90.0	1	96.0	6	67.2	102.7
	Bead breaking	95.0	1	100.0	1	64.4	100.0
	Tyre machine	55.0	1	60.0	180	47.0	82.5
	Inflating tyre	95.0	1	100.0	1	64.4	100.0
	Fitting balance weight	75.0	1	80.0	2	47.4	83.0
	Re-fitting wheel	90.0	1	95.0	6	67.2	102.7
Exhaust replacement					Seconds		
	Car with leaking exhaust	85.0	1	90.0	30	69.2	104.7
	Removing exhaust	85.0	1	90.0	10	64.4	100.0
	Dropping exhaust	90.0	1	95.0	1	59.4	95.0
	Re-fitting exhaust	85.0	1	90.0	10	64.4	100.0
	Ramp operating	72.0	1	77.0	30	56.2	91.7
	Ramp flaps	85.0	1	90.0	1	54.4	90.0
Brake repair					Seconds		
	Removing wheel	90.0	1	95.0	6	67.2	102.7
	Banging	95.0	1	100.0	3	69.2	104.7
	Re-fitting wheel	90.0	1	95.0	6	67.2	102.7
Shock absorbers					Seconds		
	Removing wheel	90.0	1	95.0	6	67.2	102.7
	Dropped shock Absorb	90.0	1	95.0	1	59.4	95.0
	Bonnet slammed	85.0	1	90.0	1	54.4	90.0
Other sounds					Seconds		
	Miscellaneous	92.0	1	97.0	1	61.4	97.0
	Car horn	93.0	1	98.0	2	65.4	101.0
	Engine revving	80.0	1	85.0	120	70.2	105.8