

**CONSTRUCTION INDUSTRY DEVELOPMENT AUTHORITY
CONSTRUCTION EQUIPMENT INSPECTION SHEET**

(NB. Inspector should be a Mechanical Engineer who is graduated from a university recognized by the University Grants Commission of Sri Lanka in the field of Mechanical Engineering. Evidence of Inspector's qualifications should be provided)

Date :	
Type of Equipment :	
Address / Location :	
Name of the Owner / Organization:	
Address of the Owner / Organization:	
Name of Coordinator :	
Contact No of Coordinator:	
Name of Inspector :	
Address of Inspector :	

Basic Information

Make	
Model	
Serial No. / Chassis No.	
Year of Manufacture	
Country of origin	
Mileage / Hour meter reading	
Make and model of the engine	
Fuel Type	
Attachments	

Notation to status

A – Excellent Condition / Almost brand new condition (Above 90%)

B – Good condition / slight wear (70%-90%)

C – Serviceable condition / Fair condition comparing to the age & usage of the equipment (40% - 70%)

D – Serviceable with repairs (20% - 40%)

E – Not serviceable condition (Below 20%)

	Description	A	B	C	D	E	Remarks
GENERAL PERFORMANCE	Travelling Forward & Reverse						
	Boom Operation						
	Arm Operation						
	Bucket Operation Front						
	Bucket Operation Rear						
	Stabilizers						
	Ropes, Hooks, Mast Lifting & Lowering						

Construction Equipment Inspection Sheet

CIDA/EMS/IS/FO/03

	Description	A	B	C	D	E	Remarks
GENERAL PERFORMANCE	Blade – Lift & Low						
	Blade Angle						
	Blade Tilt						
	Blade Pitch						
	Ripper or Scarifier - Lifting & Lowering						
	Vibration (for Rollers & Compactors)						
	Swing						
	Articulation						
	Steering Left & Right						
	Pumping Units (Liquid/Mixtures/Air)						
	Mixing Units						
	Hammering/Drilling						
	Sweeping Units						
GENERAL APPEARANCE	General Appearance (Front, Right, Rear, Left & Top)						
	Major / Minor Surface Rust						
	Body Panel Rust Damage/Cancer						
	Visible Weld Repairs/ Stress Cracks						
	Glass condition						
Chassis /Under carriage Damage							
OPERATOR'S COMPARTMENT	Operator cabin						
	Operator Controls and Switches						
	Hour Meter Activity						
	Other Gauge Activity						
	Door / Canopy Latches						
	Safety – Horn/First Aid Kit						
Operator Seat Condition							
Safety – Seat Belts / Fire Extinguisher							
ENGINE	Oil Color/Fluid Appearance/Particulates or Granules						
	Noise Upon Start Up / Noise Upon Idle/Noise Upon Shut Down						
	Engine Exhaust Color – White /Blue /Black/clear						
	Oil Leaks						
	Engine Smoke Upon Startup /Upon Idle/Upon Shut Down/Coolant Color/Fluid Appearance						
	Water Pump Noises/Damp Hoses/Coolant Leaks						
	Coolant Leaks From Radiator						
	Overall Engine Appearance Clean/Wet/Dry						
HYDRAULICS OVERALL	Overall Appearance of Hydraulic lines/fittings-worn/cracked						
	Hydraulic Pump Sounds/Noises						
	Wet or Damp hydraulic lines and fittings/fluid leaks						
	External Controls/Levers Condition						
	Hydraulics Service Records/Maintenance History						

Construction Equipment Inspection Sheet

CIDA/EMS/IS/FO/03

Description		A	B	C	D	E	Remarks	
ELECTRICAL	Lighting System Condition							
	Reverse Alarm /Back Up Signal							
	Battery Condition							
	Other Electric Device Condition							
BRAKES	Foot Brake							
	Inching Brake Functional &Working Condition							
	Parking Brake							
TRANSMISSION	Clutch Noise/Functional							
	Transmission Noise/Functional							
	Shift Lever Condition & Function							
HYDRAULIC SYSTEM	Hydraulic Controls	Oil leak from pumps						
		Oil leak from control valves						
	Lines and Connections	Oil leak from piping						
		Oil leak from connectors						
	Cylinders (Specify no. of cylinders defective)	Oil leak from Cylinders						
		Mounting Pin Condition						
	Attachments	Oil leak from attachments						
	Others (Please specify)							
CHASSIS & COMPONENTS	Under carriage Appearance							
	Drive Sprockets/Link Bushes/Shoes							
	Upper and lower Rollers							
	Links and Tensioners							
	Condition of Tracks and grousers							
	Suspensions							
	Condition of Chassis (Corrosion, Welded, etc)							
	Mounts and joints on chassis							
	OPERATION	Forward	Steering/Brakes/Clutch					Use (B) 90% to 0%
			Lift/Tilt/Angle					
		Reverse	Steering/Brake/Clutch					
			Lift/Tilt/Angle					
	Other Condition							

	Description	A	B	C	D	E	Remarks
BLADE / TEETH / RIPPER / SCARIFIER / CUTTING EDGES	Teeth Overall Condition						
	Blade Overall Condition						
	Ripper Overall Condition						
	Scarifier Overall Condition						
	Other Cutting edges						
	Other Remarks						
ATTACHMENTS	Overall Condition						
	Visible oil leaks						
	Pins & Bushes						
	Noise						

Recommendation:

Recommended for Registration / Renewal / Repair and re-inspection / committee inspection to decide further use.

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 (Signature & Stamp of Inspector)