



ERA Technical Committee - TRAINING - Example of check-in process (Level 1)

1	Visual Inspection	1.1	Damage and cracked welds
		1.2	Hydraulic leaks and hydraulic hoses
		1.3	Paint condition and cleanliness
		1.4	Fuel level and hyd oil level
2	Ground controls Operation Safety	2.1	Switches and emergency stop operation
		2.2	Record operating hours
		2.3	Operation of ground controls
		2.4	Emergency lowering
3	Electrical Energy	3.1	Electric motor (power circuit, relays, cables)
		3.2	Battery voltage and charger operation
		3.3	Battery connections (oxydation, tightness)
		3.4	Battery water level (specific gravity and load test)
4	Engine Diesel	4.1	Battery cable condition and rubber sheaths
		4.2	Alternator charge voltage and V-belt
		4.3	Engine oil and coolant (levels and leaks)
		4.4	Hydraulic pump leaks and mounting bolt tightness
		4.5	Power circuit condition
		4.6	Sensors - pressure, temp, rpm, vacuum
		4.7	Fuel pre-filter
		4.8	Fuel supply and injector leakage
		4.9	Radiator and oil cooler (blow clean wash if required)
		4.10	Air Filter
		4.11	Rod linkage / accelerator coil
5	Chassis Frame and Turntable-Basket	5.1	Steering thrust washers, wheel axle pins
		5.2	Tyres, rims, crawlers, wheel bolts-nuts
		5.3	Valve block assy (incl. Drive block)
		5.4	Steering cyl, oscillating axle and extend axles
		5.5	Outrigger cylinders (scratches, leaks)
		5.6	Turntable bearing output shaft (free play)
		5.7	Rotary coupling tightness
		5.8	Sensors, limit switch, wire rope, wear pads
		5.9	Power track cable carrier (guide and wear)
		5.10	Hoods - latches, gas cylinders
		5.11	Anti rotation keeper pins
		5.12	Lift cylinder and boom cyls (damage and leaks)
		5.13	Basket rotation and mount bolts
6	Platform Controls Movement Safety	6.1	E-stop and horn function
		6.2	Foot switch, dead man switch operation
		6.3	Functions and switches: drive, lift, boom, outrigger
		6.4	Drive speeds, low, torque, high
		6.5	Drive brakes and part brakes
		6.6	Elevated drive speed and high drive cut out
		6.7	FWD speed, REV speed
		6.8	Basket / guard rails and gate spring return
		6.9	Oscillating axle lockout (blocking)
		6.10	Axle extend and retract
		6.11	Platform-basket overload system
		6.12	Tilt sensor functions
		6.13	Emergency lower and secondary guarding
7	Docs	7.1	Operator manual and storage box security
		7.2	3rd party inspection validity
		7.3	Safety decals and company decal