



Decanter Centrifuge — Daily Inspection Card

Print this card and keep it at the unit. One line per shift; act on the trend, not the snapshot.

Rig / unit: _____	Date: _____	Shift: <input type="checkbox"/> Day <input type="checkbox"/> Night	Inspector: _____
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Pre-start (machine stopped)

✓	Check item	Notes / reading
<input type="checkbox"/>	Guards in place; area clear; no loose bolts on frame, bearing housings or feed pipe	
<input type="checkbox"/>	No oil/grease leaks at gearbox or bearings; lubrication level correct	
<input type="checkbox"/>	Feed hose, discharge chutes and effluent line clear and secured	
<input type="checkbox"/>	Bowl turns freely by hand (where applicable); no rubbing or scraping sound	
<input type="checkbox"/>	Torque-limiter / shear device intact; e-stop accessible and tested	

Running checks (log the numbers)

✓	Check item	Notes / reading
<input type="checkbox"/>	Bowl speed (RPM) at set point — record actual	
<input type="checkbox"/>	Differential / conveyor speed at set point — record actual	
<input type="checkbox"/>	Feed rate (gpm) — record; compare to duty (barite recovery vs fines)	
<input type="checkbox"/>	Torque / main-drive amps — record; investigate any shift-over-shift creep	
<input type="checkbox"/>	Vibration and bearing temperature — record; no new noise	
<input type="checkbox"/>	Cake condition: firm and consistent — wet, sloppy cake = pond/differential mis-set	
<input type="checkbox"/>	Effluent (centrate) condition — record density; solids carryover = cut lost	

End of shift

✓	Check item	Notes / reading
<input type="checkbox"/>	Run hours this shift recorded against circulating volume	
<input type="checkbox"/>	Flush completed at shutdown (no mud left to set in the bowl)	
<input type="checkbox"/>	Any alarm, trip or unusual event reported with reading attached	