

GRADER · DAILY WALKAROUND

FREQUENCY

Pre-Trip Inspection

EVERY SHIFT

Do this walkaround at the start of every shift, grader parked on level ground, blade and ripper down, park brake set, engine off. Don't start the machine until it's done. Anything affecting safe operation gets tagged out and reported before it moves.

UNIT #	MAKE / MODEL	HOUR METER	DATE / SHIFT	OPERATOR

ITEM	WHAT YOU'RE LOOKING FOR	OK	DEF	N/A
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BEFORE YOU APPROACH

Work area around the machine	people, vehicles, traffic, overhead lines, soft shoulders, ditch edges	☐	☐	☐
Ground under the machine	fresh oil, coolant, fuel or hydraulic puddles	☐	☐	☐
Steps, handholds, platforms	secure, clean, free of mud, ice, snow and grease	☐	☐	☐
Guards, covers, doors, latches	in place, undamaged, closed	☐	☐	☐
Housekeeping	trash, dirt and grease build-up cleared from the engine bay and frame	☐	☐	☐

BLADE, CIRCLE AND DRAWBAR

Blade, cutting edge and end bits	wear, cracks, loose or missing mounting bolts	☐	☐	☐
Moldboard and side shift wear strips	wear, cracks, adjustment, rocks and debris in the slides	☐	☐	☐
Circle, circle teeth and wear strips	damaged teeth, wear, loose bolts, play, greased	☐	☐	☐
Drawbar ball and socket	loose or missing bolts, adjustment, greased	☐	☐	☐
Blade linkage, lift and shift cylinders	leaks at seals, scored or bent rods, loose or missing bolts	☐	☐	☐
Ripper or scarifier (if equipped)	wear, cracks, leaks, missing teeth and pins	☐	☐	☐

FRAME, ARTICULATION AND WHEELS

Articulation area and hitch bearings	cracks, play, packed dirt, greased	☐	☐	☐
Tandem housings and final drives	leaks, debris build-up, loose bolts	☐	☐	☐
Front spindle bearings and kingpins	leaks, play, lubrication	☐	☐	☐
Wheel lean and steering cylinders	leaks, scored rods, loose mounts, linkage play	☐	☐	☐
Tires	inflation, cuts, cord damage, uneven wear, stones in the tread	☐	☐	☐
Rims, lug nuts, valve stems	cracks, loose or missing nuts, stem caps in place	☐	☐	☐

AIR SYSTEM, BRAKES AND ACCUMULATORS

Air reservoir	drain water and sediment, no leaks at fittings	☐	☐	☐
Air dryer	secure, purging, no leaks	☐	☐	☐
Brake accumulators	damage, leaks, secure mounting	☐	☐	☐
Brake lines, hoses and park brake	chafe, leaks, damage, linkage secure	☐	☐	☐

ENGINE COMPARTMENT AND FLUIDS (ENGINE OFF)

Engine oil level	level on dipstick, condition	☐	☐	☐
Coolant level	level in expansion tank; never open a hot system	☐	☐	☐
Hydraulic oil level	level in the sight glass, implements down, no leaks at the tank	☐	☐	☐
Transmission and differential oil	level, condition, no leaks underneath	☐	☐	☐
Fuel level, fuel cap, water separator	enough fuel for the shift, cap sealed, drain water	☐	☐	☐
DEF level (if equipped)	level, cap sealed, no crystal build-up or debris	☐	☐	☐

Pre-Trip Inspection (continued)

Unit # _____ Date _____

ITEM	WHAT YOU'RE LOOKING FOR	OK	DEF	N/A
ENGINE COMPARTMENT AND FLUIDS (ENGINE OFF) (CONTINUED)				
Precleaner and air restriction indicator	dirt build-up cleared, indicator not tripped	☐	☐	☐
Belts and hoses	tightness, cracks, leaks, chafe	☐	☐	☐
Radiator, coolers and condenser	debris, fin blockage, leaks	☐	☐	☐
Batteries and disconnect switch	secure, terminals clean and tight, no corrosion	☐	☐	☐

LIGHTS, SAFETY DEVICES AND EXTERIOR

Head, tail, brake, work and beacon lights	working, lenses intact and clean	☐	☐	☐
Mirrors and cameras	intact, clean, adjusted	☐	☐	☐
Windows, glass and doors	cracks, clean, unobstructed view, doors latch	☐	☐	☐
Fire extinguisher	charged, mounted, inspection tag current	☐	☐	☐
ROPS / FOPS, cab mounts and decals	damage, cracks, loose bolts, labels present and legible	☐	☐	☐

IN THE CAB (BEFORE START)

Seat and seat belt	condition, buckle latches, mounting secure, pedals reach	☐	☐	☐
Controls, frame lock pin, park brake	implements in HOLD, transmission in NEUTRAL, lock pin stowed, park brake set	☐	☐	☐
Cab floor and pedals	clear of tools, mud and debris	☐	☐	☐
Wipers and washers	working, washer fluid topped up	☐	☐	☐
Heater, defrost, AC	working (visibility in all conditions)	☐	☐	☐
Emergency exit and hammer	present, accessible, unobstructed	☐	☐	☐
Manual, inspection log, hour meter	in the cab; hour meter reading recorded on this sheet	☐	☐	☐

FUNCTION CHECK (ENGINE RUNNING)

Start-up	no abnormal noise or smoke, warning lights clear after self-test	☐	☐	☐
Gauges, monitor and air pressure build	readings normal, air builds to pressure, no active fault codes	☐	☐	☐
Horn, backup alarm, camera	all working	☐	☐	☐
Blade, circle and drawbar functions	smooth through full range, no drift, no abnormal noise	☐	☐	☐
Steering, articulation and wheel lean	responds smoothly through full range, returns to centre	☐	☐	☐
Service brake and park brake	hold on a grade, brake test done before moving off	☐	☐	☐
Leaks after pressure is up	recheck cylinders, hoses, pumps and valve bank	☐	☐	☐

DEFECTS FOUND

(one line per defect; safety-critical = machine does not operate until it's fixed)

#	ITEM / LOCATION	DESCRIBE THE DEFECT	SAFETY-CRITICAL?	REPORTED TO
1			☐ Y ☐ N	
2			☐ Y ☐ N	
3			☐ Y ☐ N	
4			☐ Y ☐ N	

RESULT

- ☐ Safe to operate, no defects
☐ Safe to operate, defects noted above for repair
☐ **DO NOT OPERATE: tagged out until safety-critical defects are fixed**

OPERATOR SIGNATURE _____

SUPERVISOR / REVIEWED BY _____

DATE / TIME _____