

PRE-OPERATIONAL CHECKLIST FOR A

grader



NAME DATE REGISTRATION NO

All the items in the "ITEMS TO BE CHECKED" column must be checked by operators before operating equipment.

Indicate whether each item is in a serviceable condition (using a tick) or not (using a cross). If irrelevant, write n/a in the comments section. If defective, comment on the exact nature of the defect and do not operate until reported and corrected. A new checklist then needs to be filled in and retained indicating that all parts are serviceable.

PERSONAL PROTECTIVE EQUIPMENT REQUIRMENTS

Safety belt inside the operator's cabin, and a reflective jacket, safety boots and hard hat in hard hat areas when disembarked from the machine.



PRE-OPERATIONAL ITEMS TO BE CHECKED



COMMENTS

360° WALK AROUND		
BODY CONDITION		
ROLL OVER PROTECTION CONDITION		
INSPECT ALL COVERS AND GUARDS ARE IN PLACE		
SAFETY DECALS VISIBLE AND LEGIBLE		
NUMBER PLATE -VISIBLE		
WORKING LIGHTS IN GOOD CONDITION		
INDICATOR LIGHTS IN GOOD CONDITION		
GROUND BLADE & TEST CENTRE LOCK PIN RELEASE/LOCK		
STEERING LINKAGES FOR CRACKS & DAMAGE		
INSPECT STEPS, GRAB IRONS CONDITIONS		
DRIVE CHAIN		
TYRE PRESSURE, VALVE CAPS, DAMAGE		
WHEEL HUBS NO OIL LEAKS		
NO LOOSE WHEEL NUTS AND BOLTS		
DRIVESHAFT		
DIFFERENTIAL AND FINAL DRIVES NO OIL LEAKS		
DRIVER'S CABIN		
SEAT IN GOOD CONDITION AND ADJUSTABLE		
SEATBELT WORKS PROPERLY		
WINDSCREEN CLEAN NOT CRACKED		
STEERING WHEEL IN GOOD CONDITION		
INSTRUMENT PANEL IN GOOD CONDITION		
CONTROL LEVERS IN GOOD CONDITION		
FLOOR PLATE FREE OF DEBRIS, OIL, GREASE, ETC.		

PRE-START ENGINE CHECKS



GENERAL CHECKS	
INSPECT ENGINE COMPARTMENT FOR DEBRIS	FUEL TANK DRAINED OF WATER SEDIMENT
NO FUEL, WATER & OIL LEAKS (GROUND)	TURBO CHARGER CONDITION
FLUIDS / LUBRICATION	
GREASE POINTS LUBRICATED <input type="checkbox"/>	ENGINE OIL <input type="checkbox"/>
STEERING OIL <input type="checkbox"/>	BRAKE FLUID <input type="checkbox"/>
STEERING OIL <input type="checkbox"/>	RADIATOR COOLANT <input type="checkbox"/>
BATTERY ELECTROLYTE <input type="checkbox"/>	DIFFERENTIAL OIL <input type="checkbox"/>
TRANSMISSION AXLE OIL <input type="checkbox"/>	FRONT AXLE OIL <input type="checkbox"/>
PLANATERIES OIL <input type="checkbox"/>	HYDRAULIC OIL LEVEL <input type="checkbox"/>
TRANSMISSION OIL (ENGINE ON) <input type="checkbox"/>	

Continued overleaf

PRE-START ENGINE CHECKS (CONTINUED)

COOLING SYSTEM CHECKS

FAN ASSEMBLY CONDITION		RADIATOR CAP NO CONTAMINANTS	
NO LEAKS/DAMAGE ON PIPES/HOSES/CLAMPS		RADIATOR CAP NO CORROSION	
RADIATOR CORE NOT LEAKING OR CORRODED		WATER PUMP PULLEY IS PROPERLY ALIGNED	

AIR INDUCTION AND EXHAUST SYSTEM

ENGINE PRE-CLEANER BOWL UNOBSTRUCTED		AIR RESTRICTION INDICATOR (GREEN/YELLOW)	
AIR FILTER CONDITION		AIR RESERVOIR DRAINED OF WATER & SEDIMENT	
AIR INDUCTION PIPES IN GOOD CONDITION		MUFFLER / EXHAUST IN GOOD CONDITION	

BATTERY

CLEAN, DRY AND PROPERLY SECURED		CASING NOT BUCKLED BY HEAT DAMAGE	
TERMINAL LUGS ARE CLEAN AND TIGHT		ALTERNATOR CONDITION	

FUEL SYSTEM

PUMP CONDITION		THROTTLE LINKAGE	
FUEL LINES CONDITION		FILTER CONDITION	
FUEL LINE CLAMPS SECURE		FUEL INJECTORS CONDITION	

BRAKE SYSTEM

AIR COMPRESSOR		LINKAGE CONDITION	
BLEED AIR TANK		LINES AND HOSES CONDITION	

HYDRAULIC SYSTEM

RESERVOIR IN GOOD CONDITION & NO LEAKS		CLEVIS MOUNTINGS ALL TIGHTLY FASTENED	
PUMP IN GOOD CONDITION AND NO LEAKS		CYLINDERS ALL IN GOOD CONDITION	
OIL COOLER CONDITION		PISTON RODS ALL NOT DISCOLOURED,	
VALVE BANK IN GOOD CONDITION & NO LEAKS		PISTON RODS HAVE NO VERTICAL SCRATCHES	
PIPES ALL IN GOOD CONDITION AND NO LEAKS		PISTON RODS NOT BENT OR CRACKED	
PORTS NOT LEAKING		NOT LEAKING OIL FROM RING SEALS	

START-UP ITEMS TO BE CHECKED



COMMENTS

START-UP – GLOW PLUGS WORK (IF APPLICABLE)		
GAUGES - ALL REGISTER AS WORKING		
GAUGES - NO FAULTS INDICATED		
WORK WARNING LIGHT WORK		
INDICATOR LIGHTS FUNCTIONAL		
WORKING LIGHTS FUNCTIONAL		
WINDSCREEN WIPERS WORKING		
HOOTER WORKS		
HOUR METER – NOT YET DUE FOR A SERVICE		
REAR VIEW MIRRORS – CORRECTLY ADJUSTED		
STEERING WHEEL – PLAY ACCEPTABLE		
GEARS CHECK – (FORWARD AND REVERSE)		
BACK-UP ALARM FUNCTIONAL		
BRAKES – WORKS AFTER TESTING		
HYDRAULIC FUNCTIONS ARE OPERATIONAL		
DEFROST/ HEAT / AIR CONDITIONER WORKING		
PARK BRAKES – WORKS AFTER TESTING		

OPERATOR
SIGNATURE

DATE

**Never rush an inspection.
Remember: your reputation is on the line!**

**Never use equipment you're not trained to operate!
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www.hretd.co.za for quality in-service training**