

PRE-OPERATIONAL CHECKLIST FOR A

# tractor loader backhoe



NAME		DATE	
MAKE AND MODEL	TLB No	HOUR METER READING	HRS

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

PRE-OPERATIONAL ITEMS TO BE CHECKED		COMMENTS
<b>360° WALK AROUND</b>		
BODY CONDITION		
ROLL OVER PROTECTION CONDITION		
INSPECT ALL COVERS AND GUARDS ARE IN PLACE		
SAFETY DECALS VISIBLE AND LEGIBLE		
WORKING LIGHTS IN GOOD CONDITION		
BUCKET AND BUCKET TEETH CONDITION		
STEERING LINKAGES HAVE NO CRACKS & DAMAGE		
LOADER LIFT ARM CONDITION		
BOOM AND LIFT(DIPPER) ARM NOT DAMAGED		
BACKHOE STABALIZER ARM CONDITION		
BACKHOE DIPPER BOOM CONDITION		
DIPPER (ARM/ STICK) CONDITION		
BACKHOE SIDE LINK CONDITION		
PITMAN ARM CONDITION		
BACKHOE BUCKET AND TEETH CONDITION		
ROPS / FOPS CONDITION		
INSPECT STEPS, GRAB IRONS CONDITIONS		
<b>DRIVE CHAIN</b>		
TYRE PRESSURE, VALVE CAPS, DAMAGE		
WHEEL HUBS - NO OIL LEAKS		
NO LOOSE WHEEL NUTS AND BOLTS		
DRIVESHAF		
DIFFERENTIAL AND FINAL DRIVES - NO OIL LEAKS		
<b>DRIVER'S CABIN</b>		
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.		

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

**Continued overleaf**

**PRE-START ENGINE CHECKS (CONTINUED)**

**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"/>	

**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,	

**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		
WORKING LIGHTS FUNCTIONAL		
WINDSCREEN WIPERS WORKING		
HOOTER WORKS		
HOUR METER – NOT YET DUE FOR A SERVICE		
REAR VIEW MIRRORS – CORRECTLY ADJUSTED		
CONTROLS / SAFETY LEVER SWITCH FUNCTIONAL		
GEARS CHECK – (FORWARD AND REVERSE)		
TRAVEL MOVEMENT ALARM FUNCTIONAL		
BRAKES – WORKS AFTER TESTING		
HYDRAULIC FUNCTIONS ARE OPERATIONAL		
DEFROST/ HEAR / AIR CONDITIONER WORKING		
PARK BRAKES – WORKS AFTER TESTING		

OPERATOR SIGNATURE

DATE

**Never use equipment you're not trained to operate! Contact us at +27 (0) 12 661 6721 or visit us at [www.hretd.co.za](http://www.hretd.co.za) for quality in-service training**