

PRE-OPERATIONAL CHECKLIST FOR A

# front end loader



NAME

DATE

TRUCK 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**

<b>360° WALK AROUND</b>		
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		
BUCKET & BUCKET TEETH IN GOOD CONDITION		
STEERING LINKAGES FOR CRACKS & DAMAGE		
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		
DRIVESHAFT		
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.		

**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**

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**