

PRE-OPERATIONAL CHECKLIST FOR A

truck mounted crane



OPERATOR'S NAME	DATE	TIME
MAKE / MODEL	CAPACITY TONS	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

360° WALK AROUND	
BODY AND CHASSIS CONDITION	SUSPENSION BLADE AND COIL SPRINGS
SAFETY DECALS VISIBLE AND LEGIBLE	SUSPENSION TORSION BARS
NUMBER PLATE - VISIBLE	ALL OTHER SUSPENSION AND AXLE COMPONENTS
REGISTRATION AND ROADWORTHY DISCS	CHASSIS AND BODY
REFLECTORS & CHEVRON PLATES	PARKING BRAKE
WORKING & BEACON LIGHTS CONDITION	WHEEL CHOCKS AVAILABLE
INSPECT STEPS, GRAB IRONS CONDITIONS	FIRE EXTINGUISHER AVAILABLE AND SERVICED
SUSPENSION "U" BOLTS AND SPRING HANGERS	
OUTRIGGERS	
BEAMS CONDITION	OUT RIGGER LEGS
FLOAT PADS CONDITION	
DRIVE CHAIN	
TYRE PRESSURE, VALVE CAPS, DAMAGE	DRIVE SHAFT
WHEEL HUBS NO OIL LEAKS	DIFFERENTIAL AND FINAL DRIVES - NO OIL LEAKS
NO LOOSE WHEEL NUTS AND BOLTS	
DRIVER'S CABIN	
SEAT IN GOOD CONDITION AND ADJUSTABLE	WINDSCREEN WHIPER BLADES
SEATBELT WORKS PROPERLY	STEERING WHEEL IN GOOD CONDITION
WINDSCREEN CLEAN NOT CRACKED	INSTRUMENT PANEL IN GOOD CONDITION
CRANE	
SUB FRAME AND CRANE MOUNTING BOLTS	BOOM EXTENSIONS AND CYLINDERS
LOAD CHARTS AND RANGE DIAGRAMS	VALVE BANK
CRANE BASE	CONTROL LEVERS & DECALS
PEDESTAL	HYDRAULIC TANK, OIL LEVEL AND LEAKS
OUTRIGGER CYLINDERS, LEGS, FLOATS AND BEAMS	HYDRAULIC PIPES & FITTINGS
OUTRIGGER BLOCKING AVAILABLE	HOOK, SAFETY LATCH, HOOK BLOCK
INNER BOOM, CYLINDER, CLEVIS & LOCK PINS	WINCH DRUM & MOTOR, SHEAVES
OUTER BOOM, CYLINDER, CLEVIS & LOCK PINS	STEEL WIRE ROPE, ANTI-TWO BLOCK

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

Continued overleaf

PRE-START ENGINE CHECKS (CONTINUED)

FLUIDS / LUBRICATION

GREASE POINTS LUBRICATED ENGINE OIL STEERING OIL BRAKE FLUID STEERING OIL
 RADIATOR COOLANT BATTERY ELECTROLYTE DIFFERENTIAL OIL TRANSMISSION AXLE OIL
 FRONT AXLE OIL PLANATERIES OIL HYDRAULIC OIL LEVEL TRANSMISSION OIL (ENGINE ON)

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 AND BELT 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		CYLINDERS ALL IN GOOD CONDITION	
PUMP IN GOOD CONDITION AND NO LEAKS		PISTON RODS ALL NOT DISCOLOURED,	
OIL COOLER CONDITION		PISTON RODS HAVE NO VERTICAL SCRATCHES	
VALVE BANK IN GOOD CONDITION & NO LEAKS		PISTON RODS NOT BENT OR CRACKED	
PIPES ALL IN GOOD CONDITION AND NO LEAKS		NOT LEAKING OIL FROM RING SEALS	
PORTS NOT LEAKING		SLEW GEAR OIL LEVEL (IF APPLICABLE)	
CLEVIS MOUNTINGS ALL TIGHTLY FASTENED			

START-UP ITEMS TO BE CHECKED

PTO (POWER TAKE OFF)		INNER BOOM RAISE/LOWER	
OUTRIGGERS FULLY EXTEND AND LAND		OUTER BOOM OUT/IN	
OUTRIGGER BEAM LOCKS		EXTENSIONS OUT/IN	
OUTRIGGER LOCK VALVES		SLEW LEFT AND RIGHT	
UNFOLD CRANE & CRADLE CONDITION		WINCH MOTOR & UPPER LIMIT (IF APPLICABLE)	

COMMENTS

OPERATOR SIGNATURE

DATE

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

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 for quality in-service training