PRE-OPERATIONAL CHECKLIST FOR A

scraper



NAME	DATE	Scraper No
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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.



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PRE-OPERATIONAL ITEMS TO BE CHECKED	**	COMMENTS
360° WALK AROUND		
MACHINE FRAME FOR CRACKS OR DAMAGE		
ROLL OVER PROTECTION CONDITION		
INSPECT ALL COVERS AND GUARDS ARE IN PLACE		
SAFETY DECALS VISIBLE AND LEGIBLE		
WORKING LIGHTS IN GOOD CONDITION		
BLADES, CUTTING EDGES, CORNER BITS & TEETH		
INSPECT STEPS, GRAB IRONS CONDITIONS		
ALL MACHINE ATTACHMENTS - CONDITION		
DRIVE CHAIN (IF A SINGLE DRUM ROLLER)		
TYRES CONDITION AND VALVE CAPS		
INFLATED TO THE RECOMMENDED PRESSURE		
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	√ ×		Yx
GENERAL CHECKS			
INSPECT ENGINE COMPARTMENT FOR DEBRIS		FUELTANK DRAINED OF WATER SEDIMENT	
NO FUEL, WATER & OIL LEAKS (GROUND)		TURBO CHARGER CONDITION	
FLUIDS / LUBRICATION			
GREASE POINTS LUBLICATED ENGINE OIL	S ⁻	teering oil Brake fluid Steering oi	
RADIATOR COOLANT BATTERY ELECTROLY	TE	DIFFERENTIAL OIL TRANSMISSION AXLE O	
FRONT AXLE OIL PLANATERIES OIL HY	'DRAL	JLIC OIL LEVEL $oxedsymbol{\square}$ TRANSMISSION OIL (ENGINE OF	۷)

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PRE-START ENGINE CHECKS (CONTINUED)	X			
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.		LINES AND HOSES CONDITION		
HYDRAULIC SYSTEM				
RESERVOIR IN GOOD CONDITION & NO LEAKS		CLEVIS MOUNTINGS ALL TIGHTLY FASTENED	ĺ	
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		

BEFORE STARTING UP	V.
REPORT/RECORD ANY DEFECTS FOUND IN THE WALK AROUND INSPECTION	
ENSURE YOU ARE WEARING ALL THE REQUIRED SAFETY EQUIPMENT	
SWITCH THE MASTER ISOLATOR SWITCH ON (IF APPLICABLE)	
THREE POINTS OF CONTACT METHOD CLIMBING UP TO THE OPERATOR'S COMPARTMENT	
ADJUST THE SEAT	
ENSURE THAT THE SEAT BELT IS FITTED AND ADJUSTED	
ENSURE THAT THE TRANSMISSION LOCK LEVER IS APPLIED	
ENSURE THAT THE APPROPRIATE IMPLEMENTS CONTROLS ARE IN THE HOLD POSITION	
ENSURE THAT THE TRANSMISSION GEAR SELECT LEVER IS IN THE PARK POSITION	
ENSURE THE TRANSMISSION DIRECTIONAL SELECT LEVER IS IN NEUTRAL POSITION	
CHECK FOR LOOSE ITEMS ON THE FLOOR	
CHECK IF ALL PERSONS ARE WELL CLEAR OF THE MACHINE	
DO A 360 DEGREE CHECK FOR ANY POTENTIAL HAZARDS	
RECORD START OF TRIP HOUR METRE READING	
TURN THE IGNITION SWITCH / KEY TO THE ON POSITION	
CHECK THAT ALL THE GAUGES ARE FUNCTIONING CORRECTLY	
SOUND THE HOOTER (IF FITTED) ONCE TO WARN ANYONE IN THE IMMEDIATE VICINITY THAT YOU ARE	
ABOUT TO START THE MACHINE	

	START-UP PROCEDURAL CHECKS	×
	USE STARTING FLUID SPARINGLY IF THE ENGINE IS COLD (IF APPLICABLE)	
	START THE ENGINE	
	DO NOT ALLOW THE STARTER TO TURN LONGER THAN 10 SECONDS WITHOUT ALLOWING THE STARTER	
	TO COOL FOR TWO MINUTES	
	ONCE THE ENGINE STARTS, WARM UP THE ENGINE	
	CHECK THE ENGINE OIL PRESSURE INDICATOR TO BE SURE THAT PRESSURE DEVELOPS WITHIN TEN (10)	
1	SECONDS AFTER START-UP	

START-UP PROCEDURAL CHECKS (CONTINUED)	*
ALLOW THE ENGINE TO IDLE FOR APPROXIMATELY 5 MINUTES	
DO NOT REV THE ENGINE BEFORE THE CORRECT ENGINE OPERATING TEMPERATURE HAS BEEN REACHED	
OPERATE THE IMPLEMENTS DURING WARM UP	
TEST OPERATE THE CONTROLS, BRAKES, STEERING, TRAVEL CONTROLS, MACHINE CONTROLS	
TEST OPERATE THE CONTROLS WITH THE ENGINE IDLING AND THE ENGINE NOT REVVED, UNTIL THE	
CORRECT OPERATING TEMPERATURE HAS BEEN REACHED	
OBSERVE THE MACHINES GAUGES	
CHECK THAT ALL THE DIFFERENT SYSTEMS ARE OPERATING TO STANDARD	
LISTEN VERY CAREFULLY FOR ANY STRANGE NOISE THAT MAY COME FROM THE ENGINE OR OTHER PARTS	
OF THE MACHINE	
CHECK LIGHTS, INDICATORS, BRAKE LIGHTS, BACK-UP ALARMS	

IN OPERATIONAL CHECKS	YX
THE GAUGES ARE ALL WORKING AND INDICATING IN THE SAFE OPERATION RANGE	
MONITOR THE EMS AT ALL TIMES	
THE WARNING INDICATORS	
LISTEN FOR WARNING DEVICE ALARMS	
LISTEN FOR ANY UNUSUAL ENGINE NOISE	
WATCH FOR FLUID LEAKS	
OBSERVE CHANGES IN THE MACHINES HANDLING	

COMMENTS			
	OPERATOR SIGNATURE	DATE	

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

Never use damaged or malfunctioning equipment. Report all faults to your supervisor

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