



安徽巧元工程机械有限公司
Anhui Qiaoyuan Construction Machinery Co., LTD

INSPECTION REPORT

Responsible for every customer.



Inspection report of the hydraulic type bulldozer


Supervision and inspection report of hydraulic bulldozer



Testing company	Anhui Qiaoyuan Construction Machinery Co., Ltd		
Machinery brand	SHANTUI	Mechanical model	SD32
Mechanical size	6880*4130*3725mm	Mechanical weight	33tons
Engine power	235kw	Blade capacity	9.7cubic meter
User Device Number	*CHSD32AA3120618*	Examination clerk	David

Inspection item	Order number	Check the contents and requirements	Result
Over all unit	1	All assembly parts, parts, accessories and accessories are complete and firmly installed	
	2	Clean appearance, no oil, water leakage, oil leakage, leakage, leakage	
	3	The cab doors and Windows can switch freely, the wiper and door lock are intact, the glass should not be damaged, and the vision is clear	
	※ 4	The stroke of each operation lever and brake pedal conforms to the instructions, and the action is flexible and accurate	
	※ 5	Metal members shall not have bending, deformation, open welding and cracking; the shaft pins shall be installed reliably and the bolts shall be fastened	
	6	The butter nozzle is complete, the lubricating oil road is smooth, and the lubrication part is good	
	7	The handrails and pedals on and off are intact, and should not be open welding or corrosion	
	8	The indicator data of each instrument shall be accurate	
Move power tie interconnected system	※ 1	Diesel engine start, acceleration performance is good, smooth idle speed	
	2	The operation should not be abnormal sound, the oil pressure should be 0.15~0.3MPa, the water temperature, instrument indication data should be accurate, in line with the instructions	
	3	The oil volume in the diesel engine crankcase should not be too low or too high, and should be slightly higher in the middle of the oil ruler and under the scale	
	4	Make the air, diesel oil and oil filter clean, and the time of replacing the filter element shall comply with the instructions	
	5	Clean the water tank inside and outside, and clean it regularly	
	6	When the water temperature exceeds the specified value, the temperature saving device shall be able to open automatically	
	7	The fan belt should be tightened moderately	
	8	Electrical lines and tubing are arranged neatly and firmly	
	9	Diesel engine load regulator (governor) is reasonably equipped	
Pass move tie interconnected system	1	The hydraulic torque converter should not be overheated, and the power transfer is stable and effective; the filter is clean; the connecting parts should be well sealed and without oil leakage	
	2	Transmission gear should be accurate, reliable positioning, the work should not be abnormal sound	
	3	The transmission shall not leak; the lubricating oil surface shall reach the oil level inspection hole line	

	※ 4	The free travel of the steering wheel conforms to the instructions, and the steering and return position are flexible and accurate	
	5	The gears of all parts engage well, operate smoothly, and there should be no abnormal sound	
	6	The universal joints should not be loose, and the fixing bolts should be fastened	
	7	The rear bridge box should not be cracked and leaky	
	8	Steering clutch control should be light, power transfer, cut-off should be reliable	
Hydraulic pressure system	※ 1	The safety protection device to prevent overload and impact works normally, and the adjustment pressure of the overflow valve meets the specified requirements	
	2	The hydraulic oil pump shall not overheat and leak	
	3	The inner wall of hydraulic cylinder and piston rod shall be smooth and clean without damage; smooth and well sealed	
	※ 4	The overflow valve, safety valve, check valve, reversing valve and oil pressure control components shall be complete and intact; no pipe and joints	
	5	The radiator should be clean, the oil temperature should not be greater than 80 °C ; the filter should be clean and the hydraulic oil should be between the upper and lower marks of the oil tank	
Electricity gas tie interconnected system	1	The electrical lines are arranged neatly and stuck firmly, without damage, aging, short circuit or broken circuit	
	2	The starting motor has good performance, and the generator works normally	
	3	Various electronic control components, indicator lights, warning lights and alarm devices work effectively	
	4	All kinds of lighting lights, instrument lights, speakers and other complete and intact	
	5	The battery is clean and is firmly fixed, the electrolyte level should be 10~15mm higher than the plate, and the maintenance-free battery mark should meet the requirements	
Line walk tie interconnected system	1	The walking frame shall not be cracked or deformed	
	※ 2	The drive wheel, guide wheel, support heavy wheel and drag sprocket are complete and intact, and there should be no oil leakage, rail biting or partial grinding	
	3	The strain of the track shall comply with the specification, and the tensioning device shall be valid	
	4	The crawler plate bolts shall be complete and shall not be loose; the chain rail wear shall not exceed the limit and the pin sleeve shall not be broken	
	※ 5	The track driving deviation should not be greater than 5% of the measured distance	

Brake and safety evices	※ 1	The foot brake and brake can work reliably, and the two pedal strokes should be the same	
	2	The brake fluid model and specification shall meet the specification; the brake fluid level shall be in the marked position	
	※ 3	Brake main pump, sub-pump and connecting pipeline should not leak oil	
	4	Brake block and brake disc should be clean, without oil pollution, and braking should be reliable and effective	
	※ 5	The brake locking device, the variable speed control locking device and the blade operation locking device should work reliably	
Working device	※ 1	The blade control valve should accurately and effectively control the blade in the maintain, lifting, drop, floating and other states	
	2	The blade holder and braces should be in good condition without deformation or cracking	
	3	The wear of the knife angle and blade shall not exceed the limit; the bolts shall be fastened	
Result			
Check	<p>安徽巧元工程机械有限公司 Anhui Qiaoyuan Machinery Co., LTD</p> <p>The inspection results indicate that the excavator meets the relevant technical requirements and safety regulations in terms of appearance, size, weight performance indicators, and safety. Before using the machinery, please replace the filter element and oil to ensure that the machinery can be used better.</p>		