



12 Month

**RECORD OF THOROUGH EXAMINATION OF LIFTING PLANT & EQUIPMENT**

*The Lifting Operations and Lifting Equipment Regulations 1998  
Examination made in accordance with Regulations 9 (3) and 10 (1)*

Description of Equipment & Manufacturer:	DOOSAN DX170	
Identification Mark / Serial Number:	5135	
Plant No:	74	
Machine Hours:	4005	
Name & Address of Equipment Owner:	William Bradshaw Portside North Ellesmere Port Cheshire CH65 2HQ	
Machine Location:	Ellesmere Port	
Date of last thorough examination & number:	20/06/2020	AJH-BRA-190620/0021
SWL (Kg):	QUICK HITCH S/NO 299927 SWL 14,000kg	
Advisory Defects:	NONE	
Date of thorough inspection:	18/06/2021	
<b>DATE OF EXPIRY:</b>	<b>18/06/2022</b>	

**Declaration**

*I hereby declare that the equipment in this record was thoroughly examined in accordance with the appropriate provisions and found free from any defect likely to affect safety other than those listed above on 18/06/2021.*


Inspecting Engineer: Alex Reed

Authorised By: Sam Garrity

Allan J Hargreaves Plant Engineers Ltd  
Longmeadow Lane  
Red Marsh Industrial Estate  
Thornton Cleveleys  
FY5 4JT

**Record No:** AJH-BRAD-020621/0042

**Date of Record:** 18/06/2021

Date:	18/06/2021		
Owner:	Allan J Hargreaves Plant Engineers Ltd / William Bradshaw / William Bradshaw		
Item:	DOOSAN DX170		
Serial No:	5135		
Plant No:	74	Location:	Ellesmere Port
Machine Hours:	4005		

Service Point	Result	Remarks
<b>Service Point</b>		
1. Cleanliness of machine	✓	
2. Visual check - structure for damage, signs of cracking/corrosion	✓	
3. Pivoting joints between bucket & dipper arm, the dipper arm and boom, boom and machine, for wear, corrosion, security, evidence of lubrication.	✓	
4. Operate and examine any telescopic extensions on the boom and dipper for wear and security	N/A	
5. Check flexible hydraulic hoses for damage/leakage.	✓	
6. Check hydraulic cylinders for leakage, corrosion on the rods and alignment.	✓	
7. Inspect Quick Hitch for wear, security and lubrication. STATE SWL & S/NO:	✓	QUICK HITCH S/NO 299927 SWL 14,000kg
8. Check slewing mechanism for security and wear during operation of slew motion on full range of movements and during change of reach of bucket. Check slew brake operation.	✓	
9. Check chassis of vehicle for cracks, damage, corrosion.	✓	
10. Check excavator arm or shovel loader arms for wear of pins and bushes.	✓	
11. Check means of access to ensure ladders, walkways, handrails/hand holds are complete and secure	✓	
12. Check tracks for wear, tension, sprockets and rollers (Tyre wear and Wheel nut torque / condition)	✓	
13. Check steering mechanism for evidence of appropriate lubrication, security, damage and wear by visual examination during operation.	✓	
14. Check braking mechanisms for wear & adjustment, security, damage and functionality checked during operation.	✓	
15. Check engine covers and guards to ensure that access to trapping points is prevented.	✓	
16. Check oil and other fluid levels ensuring condition and level of fluid.	✓	
17. Visual check to ensure the fixing for driver's seat and restraint (where fitted) are in place.	✓	
18. Functional test of control levers for excessive wear, smoothness of operation and visual check for identification and means to prevent inadvertent operation	✓	
19. Visual exam windscreen and all windows for damage which affect visibility.	✓	
20. Check function of electrical equipment, wipers, washers, horn, lights etc.	✓	
21. Check full operation of machine to ensure all motions operate smoothly and effectively without excessive play. Servo and manipulator motion cut	✓	
22. Check RCI System for operation i.e. Alarms, motion cuts and interlocking. RCI system duty charts - check for accuracy with load cell.	✓	
23. Check operator visibility aids are working and in good condition i.e. Mirrors, camera.	✓	

		Key
I certify that the inspection has been completed to my satisfaction and the equipment is in a condition ready for work.		✓ Check / Inspection OK
		✗ Fault Found
		N/A Not Applicable
Completing Engineer:	Alex Reed	
Signature	