

H02-143
SEP

PHONE: 780.870.1547 EMAIL: operations@indexndt.ca Head Office Mail: P.O. Box 13137, Lloydminster, AB T9V 2J4

ARTICULATING(KNUCKLE) BOOM CRANE INSPECTION REPORT

CLIENT:	Brothers HDD	DATE:	November 6, 2025
ITEM:	Articulating Boom Crane	CAPACITY:	9,900 lbs. Max
MAKE:	Palfinger	RE-CERT PERIOD:	1 Year
SERIAL NUMBER:	100173279	INSPECTION LOCATION:	Wainwright, AB
MODEL:	PK 9001-EH	YEAR MANUFACTURED:	2014
UNIT:	553	COLOUR:	Black/Orange

BOOM OR BEAM	INSPECTION TYPES	A/F	REPAIR DATE	N/A	COMMENT #
BOOM BUTT SECTION	VISUAL /MPI	☒		☐	
BOOM CAMBER	VISUAL	☒		☐	
BOOM MID SECTION(S)	VISUAL/MPI	☒		☐	
BOOM PINS	VISUAL	☒		☐	
BOOM TELESCOPING CYLINDER BRACKETS	VISUAL/MPI	☒		☐	
BOOM TELESCOPING CYLINDER PIN(S)	VISUAL	☒		☐	
BOOM TELESCOPING CYLINDERS	VISUAL	☒		☐	
BOOM TIP SECTION	VISUAL/MPI	☒		☐	
BOOM TRAVEL MOUNT	VISUAL/MPI	☒		☐	
BOOM TWIST	VISUAL	☒		☐	
BOOM WEAR PADS	VISUAL	☒		☐	
LIFT CYLINDER MOUNT BRACKET(S)	VISUAL/MPI	☒		☐	
LIFT CYLINDER PIN(S)	VISUAL	☒		☐	
LIFT CYLINDER(S)	VISUAL	☒		☐	

HOOK & RIGGING	INSPECTION TYPES	A/F	REPAIR DATE	N/A	COMMENT #
HOOK SAFETY LATCH	VISUAL	☒		☐	
HOOK(S)	VISUAL/MPI	☒		☐	

OUTRIGGER	INSPECTION TYPES	A/F	REPAIR DATE	N/A	COMMENT #
OUTRIGGER BEAM(S)	VISUAL/MPI	☐		☒	
OUTRIGGER BOXES/BASE FRAME	VISUAL/MPI	☐		☒	
OUTRIGGER CYLINDER BRACKETS	VISUAL/MPI	☐		☒	
OUTRIGGER EXTENDING CYLINDERS	VISUAL	☐		☒	
OUTRIGGER HOSES	VISUAL	☐		☒	
OUTRIGGER JACKS	VISUAL/MPI	☐		☒	
OUTRIGGER PADS	VISUAL/MPI	☐		☒	

SAFETY DEVICES	INSPECTION TYPES	A/F	REPAIR DATE	N/A	COMMENT #
CAPACITY CLEARLY LABELED	VISUAL	☒		☐	
CONTROLS CLEARLY LABELED	VISUAL	☒		☐	
LEVEL INDICATORS	VISUAL	☐		☒	

QUALITY ASSURED INSPECTIONS FOR QUALITY ASSURED BUSINESSES



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LOAD CHART	VISUAL	☒		☐	
ANTI TWO BLOCK DEVICE	VISUAL	☐		☒	
LOAD LINE INDICATOR	VISUAL	☐		☒	

TURRET	INSPECTION TYPES	A/F	REPAIR DATE	N/A	COMMENT #
PEDESTAL & FRAME MOUNTS	VISUAL/MPI	☒		☐	
TURRET	VISUAL/MPI	☒		☐	

COMMENTS/DEFICIENCIES

REPAIRS/DATE/JOURNEYMAN WELDER CERTIFICATE #

Disclaimer Details

"Except as provided herein, Index NDT Inspections Ltd. Makes no warranty, express or implied with respect to the mechanical or other conditions of the equipment inspected by us. Index NDT Inspections Ltd. shall only be responsible in the event of damage resulting directly from their inspection, and in no event, shall the liability of Index NDT Inspections Ltd. exceed the cost of inspection." Our organization assumes only the responsibility of locating defects in the inspected components and welds made accessible at the time of inspection. All equipment should be cleaned to allow access to all welds and critical components. It is of the utmost importance that the unit's owner be aware that excessive coating over 10 mils can severely mask the detection of discontinuities while utilizing standard inspection techniques. We are not responsible for the mechanical or other conditions assembled condition except at customer's request.

Weld Repairs

For weld repairs of equipment, one of the two items must be followed:

1. Follow the written authorized practice from the manufacturer using manufacturer's components, and a qualified journeyman or CWB approved welding operator.
2. Follow the written practice as approved by our Engineer. This includes materials, consumables, and welding procedures.

All repairs completed must be inspected annually.

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Engineering Verification

It is normally requested that an Engineer review the results of the inspection reports, repairs, and verify the completion of repairs. We are not responsible for the capacity, weld repairs, or alterations not specifically recommended by our Professional Engineer, and successfully completed under our direct supervision.

Load Testing

Load testing may be requested by our Technical or Engineering staff to verify the structural integrity, or following any major repairs to the unit. The items being load tested remain under the care and control of the owner during the test.

Engineering Certification

Where repairs or alterations are made to load carrying components and Engineering Certification of suitability for continued service is required, our Engineer must approve of the repair or alteration prior to the commencement of any work. Our Engineer may not be present during inspections but simply review all documentation and results of our field reports to issue Engineering Certification.

GOVERNING SPECIFICATIONS

W-59	-Welded Steel Construction
Z150.3-17	-Safety Code for Mobile Cranes

REGULATIONS

Alberta	OH&S G	Occupational Health and Safety Act, General Safety
Saskatchewan	OH&S	Occupational Health and Safety

INSPECTED BY:



any will result from
contacting a power line.

label. Replace if damaged or lost.

EB10418+EN

UNIT # 553.

PALFINGER CRANE

Type:

PK 9001-EH

2014

Code:

S105-SK-D

Mpa:

35.0

No.:

100173279

Palfinger North America
Niagara Falls/Canada

Made in Canada

EB4618