



AN ANSI/ASME STANDARD PREVENTATIVE MAINTENANCE AND FULL FUNCTION INSPECTION FOR
ARTICULATING BOOM CRANES CONFORMS TO THE NEWEST VERSION OF ANSI/ASME B30.22

City of Burlington
CUSTOMER

679
UNIT #

Sept 2024
DATE

Terex
MANUFACTURER

BT 4792
MODEL

4900800169
S/N

60320 / N/A
MILEAGE / LOAD RATING

5294 / N/A
ENGINE HOURS / PTO HOURS

N/A
KV RATING / CATEGORY

SYMBOLS: / = INSPECTED OKAY

N/A = NON APPLICABLE

M = MISSING

X = SEE REMARKS

EMERGENCY AND SAFETY

- ☒ OPERATOR AND SAFETY MANUAL PRESENT
- ☒ AED SYSTEM-FIRST AID KIT-BLOODBORNE PATHOGEN KIT
- ☒ AIR - CABLE - VACUUM EMERGENCY BRAKE CONTROLLER
- ☒ REVERSE/BACK-UP ALARM
- ☒ STROBE/ROTATING LIGHT OPERATION AND LABELING
- ☒ UNIT HEIGHT CLEARANCE DISPLAYED IN CAB 13 FT. 6 IN.
- ☒ FRONT WINCH CONTROLS AND LABELING
- ☒ PTO CONTROL SHIFTS IN AND OUT PROPERLY - WARNING LIGHT-DECAL
- ☒ FIRE EXTINGUISHER - SAFETY FLARES - WARNING TRIANGLES
- ☒ SAFETY CONES - WHEEL CHOCKS - JACK PADS
- ☒ 3-POINT TRUCK GROUND - REEL - CLAMP CONDITION / LAST TEST DATE
- ☐ OTHER

VEHICLE WALK AROUND / UNDERSIDE - CAB GUARD - FRONT WINCH

- ☒ BODY & SUBFRAME TIE-DOWNS - WELDS - BOLTS - NUTS - RIVETS
- ☒ CONDITION OF HOSES - FITTINGS - CLAMPS - WRAP
- ☒ HOSES - WIRES SECURED AND NOT ON EXHAUST OR DRIVE-LINE
- ☒ PTO FOR NOISE - FASTENERS - WIRING - LEAKS - SHIFT MECHANISM
- ☒ PUMP FOR NOISE-FASTENERS-FITTINGS-LEAKS
- ☒ VALVES & PRESSURE RELIEF CONDITION
- ☒ OIL RESERVOIR - SIGHT GLASS - FILL LEVEL - BREATHER CAP - TANK SEAL - ETC.
- ☒ CUT-OFF VALVES - HANDLES - SAFETY WIRES
- ☒ SUCTION STRAINER / Y-STRAINER CONDITION
- ☒ RETURN ELEMENT # _____ DATE REPLACED _____
- ☒ CAB GUARD CONDITION - WELDS - BOLTS - STEPS - BRACES ETC
- ☒ FRONT BUMPER CONDITION - WELDS - BOLTS - STRUCTURE

VEHICLE WALK AROUND / UNDERSIDE - CAB GUARD - FRONT WINCH (continued)

- ☒ FRONT WINCH PACKAGE CONDITION - WELDS - BOLTS - TIE-DOWNS _____
- ☐ CABLE FOR KINKING - CRUSHING - BIRDCAGING - CABLE EYE SWEDGE _____
- ☐ CABLE MAY NOT HAVE MORE THAN 6 RANDOMLY DISTRIBUTED BROKEN WIRES IN ANY ONE LAY _____
- ☐ CABLE MAY NOT HAVE MORE THAN 3 BROKEN WIRES IN ONE STRAND IN ONE LAY _____
- ☐ HANGER BEARING - SHAFT - SPOOL SEALS _____
- ☐ OPERATIONAL CONTROLS FUNCTIONING AND LABELING _____
- ☐ HYDRAULIC HOSES - FITTINGS - CLAMPS _____
- ☐ WINCH GEARBOX FLUID LEVEL _____
- ☐ GUIDE ROLLERS ROLL FREELY AND LUBED _____
- ☐ FREE SPOOL LEVER CONDITION AND OPERATION _____
- ☐ EMERGENCY STOP BUTTON CONDITION AND OPERATION _____
- ☐ OTHER _____

OUTRIGGER STABILITY SYSTEM

- ☒ SELECTOR VALVE MOVES FREELY - NO LEAKS _____
- ☐ CONTROL HANDLES - LINKAGES - SWITCHES _____
- ☐ VALVE BODY-SPOOLS-FITTINGS-BOLTS _____
- ☐ PROPER & LEGIBLE OPERATIONAL - SAFETY - WARNING LABELING _____
- ☐ HOSES - FITTINGS - CLAMPS FOR LEAKS - DEFORMATION-ABRASIONS _____
- ☐ PINS - BUSHINGS - KEEPERS NOT WORN OR EXCESSIVE PLAY _____
- ☐ TIE-DOWN PLATES - WELDS - BOLTS - NUTS - RIVETS, TREADED ROD, NUTS _____
- ☐ ALL CYLINDER BARRELS, RODS & HOLDING VALVES FOR OPERATION - LEAKS - PITS - ETC. _____
- ☐ TOOL CIRCUIT CONTROL, DISCONNECTS, HOSE & REEL CONDITION _____
- ☐ OUTRIGGER INTERLOCKS, LOCK OUT VALVES & EXTENSION LOCKS _____
- ☐ ANGLE INDICATOR / INCLIN-O-METER _____
- ☐ OUTRIGGER FOOT DEFORMATION - PINS - KEEPERS - CRACKS _____
- ☐ START - STOP - EMERGENCY POWER - THROTTLE _____
- ☐ OTHER Front Jack leg rubbing a bit on Suction line

PEDESTAL - TURRET

- ☐ PEDESTAL TIE-DOWN BOLTS - STRUCTURE - WELDS - CRACKS - ETC. _____
- ☐ PINS & BUSHINGS NO EXCESSIVE PLAY - KEEPERS IN PLACE _____
- ☐ HOSES - FITTINGS - CLAMPS - WRAP - ROUTING AND CONDITION _____
- ☐ BULLGEAR MOUNTING BOLTS CONDITION / TORQUE STRIPE PRESENT _____
- ☐ BULLGEAR DEFLECTION LAST YEAR _____ THIS YEAR _____
- ☐ ROTATION GEARBOX TEETH - LASH - MOUNTING BOLTS - FLUID LEVEL - VENT - SEALS _____
- ☐ ROTATION HYDRAULIC MOTOR SEALS-MOUNTING BOLTS, BRAKE ASSEMBLY _____
- ☐ ROTATION CYLINDERS, STEEL TUBING & MOUNTING BOLTS _____
- ☐ SWIVEL JOINT FOR LEAKS - MOUNTING HARDWARE - FITTINGS _____
- ☐ ELECTRICAL SYSTEM COMPONENTS FOR DETERIORATION _____
- ☐ CORRECT & LEGIBLE I.D. TAG - SAFETY & WARNING LABELING _____
- ☐ OTHER _____

CONTROLS AND FUNCTIONING

- ☒ PERFORMANCE TEST ON ALL FUNCTIONS _____
- ☒ CORRECT & LEGIBLE OPERATIONAL - SAFETY - WARNING DECALS _____
- ☒ START - STOP - THROTTLE OPERATIONS _____
- ☒ CONTROL LINKAGE RODS, PINS, ETC. _____
- ☒ CONTROL COVER - HANDLES - KNOBS - LINKAGES - DECALS _____
- ☒ VALVE BODY - SPOOLS - FITTINGS - BOLTS _____
- ☒ HOSES - FITTINGS - CLAMPS - WRAP FOR DEFORMATION OR ABRASIONS _____
- ☒ PINS - BUSHINGS - KEEPERS FOR EXCESSIVE PLAY - TIGHTNESS _____
- ☒ WIRING AND ELECTRICAL COMPONENTS _____
- ☒ CONSOLE LIGHT - SPOT LIGHT _____
- ☒ PRESSURE GAUGE - OVERLOAD GAUGE _____
- ☒ BOOM ANGLE INDICATOR - BACK PLATE - DECAL _____
- ☒ OSD - OVERLOAD SYSTEM _____
- ☒ LOAD CHART INTACT AND LEGIBLE _____
- ☒ RADIO CONTROL - TRANSMITTER - RECEIVER _____
- ☒ OTHER Bolt headache rack to pedestal

MAIN BOOM

- ☒ HINGE PIN - BUSHINGS - KEEPERS - RETAINERS FOR EXCESSIVE PLAY _____
- ☒ MAIN LIFT CYLINDER - BARREL - PINS - BUSHINGS FOR LEAKS - PITS ETC. mag Rod eye weld
- ☒ MAIN CYLINDER HOLDING VALVE OPERATION - LEAKS _____
- ☒ MAIN BOOM STEEL STRUCTURE NO DEFORMATIONS - CRACKS - ETC. _____
- ☒ BOOM STORAGE BRACKET - REST - BOLTS - WELDS - CUSHIONS - STOW SWITCH Cracked brace
- ☒ ALL WELDMENTS ON STRUCTURE _____
- ☒ HOSES - FITTINGS - WRAP - CLAMPS FOR DEFORMATION OR ABRASIONS _____
- ☒ BOOM COVERS - HINGES - BOLTS - ETC. _____
- ☒ ALL ROLLERS - WEAR PADS FOR WEAR - MOUNTING - PLAY _____
- ☒ CAT TRAC LINKS - SPACERS - HOSES - FITTINGS _____
- ☐ OTHER _____

KNUCKLE BOOM

- ☒ METAL STRUCTURE WELDMENT CONDITION _____
- ☒ BOLTS AND RETAINERS FOR VISUAL TIGHTNESS _____
- ☒ PINS AND BUSHINGS FOR EXCESSIVE PLAY & MOVEMENT _____
- ☒ LINK ARMS PINS, GREASE FILTERS, AND _____
- ☒ CYLINDERS, COUNTER BALANCE VALVES, AND RODS _____
- ☒ HOSES / FITTINGS / HOSE WRAP FOR EXCESSIVE WEAR & ABRASIONS _____
- ☒ OTHER _____
- ☒ OTHER _____
- ☒ OTHER _____
- ☒ OTHER _____

FIRST STAGE ASSEMBLY

- ☒ METAL STRUCTURE WELDMENT CONDITION _____
- ☒ BOLTS AND RETAINERS FOR VISUAL TIGHTNESS _____
- ☒ PINS AND BUSHINGS FOR EXCESSIVE PLAY & MOVEMENT _____
- ☒ LINK ARMS PINS, GREASE FILTERS, AND _____
- ☒ CYLINDERS, COUNTER BALANCE VALVES, AND RODS _____
- ☒ HOSES / FITTINGS / HOSE WRAP FOR EXCESSIVE WEAR & ABRASIONS _____
- ☐ OTHER _____
- ☐ OTHER _____

SECOND STAGE ASSEMBLY

- ☒ METAL STRUCTURE WELDMENT CONDITION _____
- ☒ BOLTS AND RETAINERS FOR VISUAL TIGHTNESS _____
- ☒ PINS AND BUSHINGS FOR EXCESSIVE PLAY & MOVEMENT _____
- ☒ LINK ARMS PINS, GREASE FILTERS, AND _____
- ☒ CYLINDERS, COUNTER BALANCE VALVES, AND RODS _____
- ☒ HOSES / FITTINGS / HOSE WRAP FOR EXCESSIVE WEAR & ABRASIONS _____
- ☒ CABLES - SHEAVES & KEEPERS _____
- ☐ OTHER _____
- ☐ OTHER _____
- ☐ OTHER _____

THIRD STAGE ASSEMBLY

- ☒ METAL STRUCTURE WELDMENT CONDITION _____
- ☒ BOLTS AND RETAINERS FOR VISUAL TIGHTNESS _____
- ☒ PINS AND BUSHINGS FOR EXCESSIVE PLAY & MOVEMENT _____
- ☒ LINK ARMS PINS, GREASE FILTER, _____
- ☒ CYLINDERS COUNTER BALANCE VALVES AND RODS _____
- ☒ HOSES / FITTINGS / HOSE WRAP FOR EXCESSIVE WEAR & ABRASIONS _____
- ☒ CABLES - SHEAVES & KEEPERS _____
- ☐ OTHER _____

CRANE WINCH

- ☒ STEEL STRUCTURE NO DEFORMATIONS OR CRACKS _____
- ☒ HOSES - FITTINGS - WRAP - CLAMPS FOR DEFORMATION OR ABRASIONS _____ *Have Swivel fittings to*
- ☒ PINS - BUSHINGS - KEEPERS - BOLTS FOR EXCESSIVE WEAR OR PLAY _____ *Supply tubes are wet*
- ☒ HYDRAULIC MOTOR, GEARBOX FLUID LEVEL - SEALS - BOLTS - ETC. _____
- ☒ ANTI-TWO SYSTEM OPERATION, WIRING, ETC. _____
- ☒ DRUM SEALS AND WINCH BRAKE SYSTEM _____
- ☒ CABLE/ ROPE CONDITION - HOOK - SAFETY LATCH _____ *Need Spring*
- ☐ OTHER _____

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INSPECTED BY