POSI+ **Line Runner 800**

PREVENTIVE MAINTENANCE AND INSPECTION REPORT

Unit # Serial #

Date: PTO Hours:

Intervals: 340 PTO hours / 4 months ☐

1000 PTO hours / 1 year ☐ Other:

Location: Work order:

Visual pre-check of the unit (Clean if necessary)

General condition: Excellent ☐ Fair ☐ Good ☐ Poor ☐

Check for oil spots to investigate ☐ Check for damaged or missing parts ☐

Check structural for wear or deformations ☐

Operational check

From the lower control station, cycle the aerial device functions through the complete range of motion ☐

Check holding valves ☐ Operate all functions from upper controls ☐

Check rotation bearing (rocking, noise level) ☐

Notes:

Oil temperature at end of operational check: _____°F or _____°C

Maximum main pressure, holding telescopic boom function on "retract" :_____ PSI

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Detailed inspection as per attached check list ☐

Item#	**Corrective actions**	Done (√)
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If necessary, repeat the operational test when repairs are done ☐

Comments:

Mechanic: Inspection certificate installed ☐

Supervisor: Inspection completed date:

340 Hours/4 Months and 1,000 Hours/1 Year

√ -Ok or completed X -Repairs to be arranged O -Repairs and adjustments made

1. In cab

1	Intercom with platform (condition, working)	☐
2	Travel height decal (condition, no change on height)	☐
3	Inclinometer (condition, readable)	☐
4	No error message on controler display	☐

2. PTO

1	Operation, noise level	☐
2	Hoses, wires, solenoid condition	☐
3	Mounting bolts tight, no leaks	☐

3. Pump & control block

1	Noise level, no leaks	☐
2	Mounting bolts tight	☐
3	Flow, pressure control block, (condition, leak, wiring)	☐

4. Chassis underside

1	Hoses (routing, condition, no leaks, exhaust shields)	☐
2	Utility body mounting (bolts tight, no cracks)	☐
3	Subframe and mounting plates (welds intact, no cracks, no rust)	☐
4	HP filter, change if necessary (if equipped)	☐
5	Subframe mounting bolts tight	☐
6	Shutoff valve fully open and secured (pump suction line)	☐
7	Drain water from bottom of oil reservoir	☐

5. Stabiliser bar(s)

1	Bolts tight, no cracks, welds	☐
2	Rubbers condition	☐

6. Lower controls at tailshelf

1	Placards, decals (condition, readable)	☐
2	Hoses (routing, condition, no leaks)	☐
3	Tool outlet quick couplers (condition, dust caps)	☐
4	Tool outlet pressure (2000 PSI) reading:_____	☐
5	Electronic controls (condition, decals readable) option	☐

7. Lower controls at pedestal

1	"Lower control" selector override "Upper controls"	☐
2	Hoses and manifolds (routing, condition, no leaks)	☐
3	Control valves (no leaks, connections tight)	☐
4	Operation of each spool (free to move)	☐
5	Emergency DC pump switch operation	☐
6	Junction box electrical connections secure	☐
7	Wiring (routing, condition, connections tight)	☐
8	Rotation stop mechanism (condition, operation)	☐

8. Hydraulic reservoir and filter

1	Oil level	☐
2	Oil condition (cleanliness, color, appearance)	☐
3	Cover bolts tight, welds intact, no cracks, no leaks	☐
4	Breather air filter, change if dirty	☐
5	Return filter, check indicator and change if necessary	☐

9. Pedestal

1	Structure (welds intact, no deformation or cracks)	☐
2	Rotation bearing outside row, mounting bolts tight	☐
3	Rotation bearing inside row, mounting bolts tight	☐

10. Turntable

1	Structure (welds intact, no deformation or cracks)	☐
2	Hoses and manifolds (routing, condition, no leaks)	☐

11. Boom rotation

1	Rotation motor (mounting bolts tight, no leak)	☐
2	Gearbox oil level	☐
3	Gearbox breather cleanliness	☐
4	Gearbox mounting bolts tight	☐
5	Pinion gear teeth condition (remove cover)	☐
6	Rotation bearing gear teeth condition	☐
7	Pinion to rotation gear backlash	☐
8	Side load protection, slipping at _____lb	

12. Master leveling cylinder

1	Tube (no leaks, piping condition, welds intact)	☐
2	Chromed rod condition (no rust, scratches, pin holes)	☐
3	Pins retaining bolts tight	☐
4	Holding valves manifold (no leaks, bolts tight)	☐

13. Lower boom

1	Structure (welds intact, no deformation or cracks)	☐
2	Boom pivot pin (retainer condition, bolt tight)	☐
3	Hose carrier track (condition, links pivot freely)	☐
4	Boom inside surface condition	☐
5	Wear pads condition (Top clear glass opening)	☐

14. Lower boom lift cylinder

1	Tube (no leaks, piping condition, welds intact)	☐
2	Chromed rod condition (no rust, scratches, pin holes)	☐
3	Pivot bearings secure within cylinder eyes	☐
4	Pins retaining bolts tight	☐
5	Holding valve manifold (no leaks, bolts tight)	☐

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15. Telescopic boom

1	Structure (welds intact, no deformation or cracks)	☐
2	Upper end (wear pads condition, bolts tight)	☐
3	Surface condition	☐

16. Telescopic boom cylinder

1	Tube (no leaks, piping condition, welds intact)	☐
2	Tube end pin (retaining rings in place)	☐
3	Holding valves manifold (no leaks, bolts tight)	☐
4	Chromed rod condition (no rust, scratch, pin holes)	☐
5	Rod end pin (retaining rings in place)	☐

17. Platform fork

1	Structure (welds intact, no deformation or cracks)	☐
2	Mounting to telescopic boom secure, bolts tight	☐

18. Slave leveling cylinder

1	Tube (no leaks, piping condition, welds intact)	☐
2	Chromed rod condition (no rust, scratch, pin holes)	☐
3	Pins retaining ring, bolt in place	☐
4	Holding valves manifold (no leaks, bolts tight)	☐

19. Platform

1	Door latches and chain condition	☐
2	Lanyard attachment point (Bolt tight, no cracks)	☐
3	Platform (condition, cleanliness, mounting bolts tight)	☐
4	Placards and safety decals (condition, readable)	☐

20. Upper controls

1	Hoses and wires (routing, condition, ties)	☐
2	Placards and decals (condition, readable)	☐
3	Emergency stop operation	☐
4	Joystick rubber boot condition	☐
5	Rubber seals on switches condition	☐
6	Presence of water or humidity in joystick control box	☐

21- Reel lifter

1	Structure (welds intact, no deformation or cracks)	☐
2	Rotation: bronze bushings (in place, no wear)	☐
3	Retaining blocks bolts tight	☐

22- Reel lifter cylinders

1	Tube (no leaks, piping condition, welds intact)	☐
2	Tube and rod end pins (retainers in place)	☐
3	Chromed rod condition (no rust, scratches, pin holes)	☐
4	Holding valve manifold (no leaks, bolts tight)	☐

23- Reel driver (option)

1	Gearbox mounting bolts tight	☐
2	Motor mount bolts tight	☐
3	No leaks	☐
4	Gearbox oil level	☐
5	Output shaft condition	☐
6	Operation (smoothness and noise level)	☐
7	Clutch assembly bolts and structure	☐
8	Hoses and tubes (routing, condition)	☐
9	Brake disk and pads condition, operation (if equiped)	☐

24- Boom rest

1	Structure (welds intact, no deformation or cracks)	☐
2	Bullwheel (no deformation or cracks, free pulleys)	☐
3	Strand pulleys (condition, free pulleys)	☐

25- Strand carrier (option)

1	Arbour bar bearing wear	☐
2	Brake disk and pad condition, operation (if equipped)	☐
3	Brake hoses, solenoid valves (condition, no leaks)	☐

26- Tow line winch (option)

1	Gearbox mounting bolts tight	☐
2	Motor mount bolts tight	☐
3	No leaks	☐
4	Gearbox oil level	☐
5	Operation (smoothness and noise level)	☐
6	Hoses (routing, condition)	☐
7	Winch rope condition	☐

27- Capstan winch (option)

1	Mounting bolts tight	☐
2	Motor mount bolts tight	☐
3	No leaks	☐
4	Gearbox oil level	☐
5	Operation (smoothness and noise level)	☐
6	Hoses (routing, condition)	☐

28. Lubrication

1	Perform the complet lubrication as per listing	☐

29. General **(1Year)**

1	Collect oil sample for analysis	☐
2	Rotation bearing tilt measurement	☐
3	Critical bolts torque check as per listing	☐