



**ELECTRIC POWERED VACUUM LIFTER INSPECTION REPORT
SUMMARY SHEET**

MODEL NO. 620001257 SERIAL NO. 550160004850

LIFT CAPACITY: 500#

INSPECTED BY: John Cornele

DATE: 23 Aug 16

APPROVED BY: John Voiron

DATE: 23 Aug 16

Overall Condition: Excellent, Good, Fair, Needs Work, Unfit

Are any items rated "UNFIT"?

Which items? NO

Action:

- Repair and Return to service.
- Return to factory for overhaul
- Other, _____

Tag lifter, "Out of Service-DANGER-Do Not Use"

Authorization:

- Return to Service

Inspected and Approved By: _____

Are any items rated "NEEDS WORK"?

Which items? NO

Action:

- Maintenance Scheduled For _____ Date _____
- Return to Temporary Service Until _____ Date _____

Tag lifter, "Temporary Service Only"

- Reinspect Frequently: Daily, Weekly, Other

Approved By: _____

COMMENTS: New item Perfect Condition



ELECTRICAL POWERED VACUUM LIFTER INSPECTION REPORT

Model No. 620001257 Serial No. 50160004850
 Inspector: Toby Vorkin Date: 23 Aug 16
04940R

Condition Codes:

- EX - Excellent, Like new condition
- GD - Good, Used but no problems, Well maintained
- FR - Fair, Shows some wear but is serviceable
- NW - Needs Work, Limited usefulness, Flag for maintenance
- UN - Unfit, Unsafe, Unusable, Do not use until fixed

NOTICE: This document is intended solely as an aid to the inspector as a reminder of the most frequently occurring lifter problems. It by no means covers every problem that can possibly occur. The inspector must be alert for any other conditions which could affect safe use of the equipment.

The user is referred to American National Standard Number ASME B30.20 for safety requirements including the user's responsibilities for testing, inspecting use, and maintenance of the lifter.

1.0 GENERAL

1.1 Cleanliness

- Lifter must be clean enough to observe condition and read gauges
- Lifter must be free of dirt or debris which could affect safe operation

EX GD FR NW UN

1.2 Filter

- Inspect and clean or replace

EX GD FR NW UN

1.3 Labels

- Nameplate
- Load Capacity; Entire lifter, Each crossarm, Each pad
- Operating Instructions
- Safety Rules
- Warnings
- "Tighten Slides" Warnings

EX GD FR NW UN



2.0 ELECTRICAL GENERATORS

| | |
|--|---|
| <p>2.1 Power Cord & Plug - Check for loose wires, damaged insulation, broken plug and receptical</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |
| <p>2.2 Lifting Frame, Housing and Bale - Check for wear, overall condition, welds</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |
| <p>2.3 On/Off Switch - Operation and light if any</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |
| <p>2.4 Vacuum Pump - Observe condition, running noise - Max. vacuum level - Ball valves closed</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |
| <p>2.5 Vacuum Switches - Settings, repeatability</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |
| <p>2.6 Vacuum Loss Sensor (Optional) - Operate test switch for light and horn - General condition, display clarity</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |
| <p>2.7 Reservoir - With power off, hold a clean, smooth, non porous load for: - 10 min. with max. 1.0 in Hg vacuum drop (ANVER spec. for new lifters) - 4 min. with max. 10% drop (ANSI standard for lifters in use)</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |
| <p>2.8 Vacuum Gauges - Readability, smooth uninterrupted travel, general condition</p> | <p><input checked="" type="checkbox"/> EX <input type="checkbox"/> GD <input type="checkbox"/> FR <input type="checkbox"/> NW <input type="checkbox"/> UN</p> |

*All new
 All good
 [Signature]*



5.0 LIFTER OPERATION

EX GD FR NW UN

LIFT TEST

Lift a clean, dry, smooth, non-porous load, preferably weighing the maximum rated lift capacity. Operation should result in a clean, smooth lift. All gauges and indicators should be visible to the operator and work normally. Watch and listen for:

- Drop in vacuum level
- Vacuum leaks
- "Sticky gauges" or failure to return to zero
- Unequal pad loading/unequal spring compression

Measure and record:

Attach time: 5 sec.; Release time: 25.1 sec.

Handwritten notes:
 Vacuum A 0.4 in Hg
 in 1/2 hour
 25.1 - 24.7

Vacuum Loss Sensor Operation - if equipped with the VLS option

EX GD FR NW UN

Place an object under one side of a pad to create a vacuum leak large enough to cause level of vacuum to drop but not at a rate faster than 2"Hg per sec. Lift load a minimum distance off floor. Watch the vacuum level drop and observe operation of the VLS system. Does it give timely warning before load drops?

6.0 OPERATOR QUALIFICATION AND SAFETY TRAINING

Check operator training records.

Are all operators trained per ASME B30.20 "Below the Hook Lifting Devices"?

YES NO

Do all operators know who the "qualified, designated persons" are for safety and maintenance?

YES NO

Do all operators have printed copies of operating and safety rules?

YES NO

COMMENTS: New item / all perfect condition
John Doe 8/24/16
Digital Copies