

GENERAL MAINTENANCE

GravityBox

Mobile Material Handling Unit

GB5000

Manual ID: 1104-5062

General inspection

- See Department of Transportation (DOT) guidelines

Vulcan meter and load cells

- Refer to the Vulcan V600 manual for service and maintenance

Landing gear

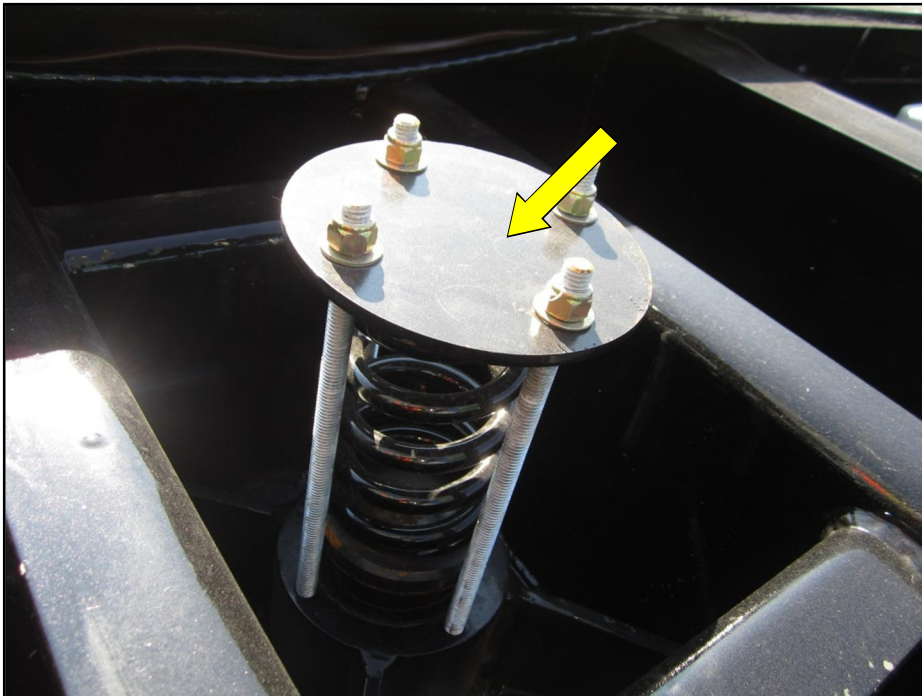
- Refer to the Jost manual for operations and maintenance

Kingpin

- Examine king pin and end plate for unacceptable wear and tear

⚠ WARNING

DO NOT remove the spring retainer plate. The spring is in compression



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Hydraulic Filter

- Refer to the hydraulic filter section for maintenance procedures
- Replace filter after the first 50 hours of use
- Replace filter every 250 hours or on a regular basis depending on operating conditions.

Hydraulic Tank

- Only fill the hydraulic tank when the lower frame is on the ground and fill till the fluid level gauge indicator is even with the blue line
- Check fluid level regularly

Tires

- Before transportation check for cuts, bulges, unusual wear, objects between or embedded in tires
- Check tire inflation regularly, refer to inflation pressure rating on side of tire
- Refer to the tire change procedure for changing tires

Wheels

- Inspect lug nuts daily
- Re-torque after first 120 kilometers
- Torque specification - 500 ft./lbs. dry (cris-cross tightening sequence)
- Check for rim slippage
- Periodically check wheel torque

Hub Oil Level

- Check frequently – every 1000 miles
- Service leaking seals immediately
- Refer to wheel bearing section of Trailer Axles for more information

Suspension

- Inspect daily for loose or missing bolts and general condition
- Check condition of bags and shocks. Replace when needed

Heavy Duty Brake Drum

- Refer to the drum and braking problem section for symptoms and cause.
- Check for cracking before installation
- Check the application specifications to determine the proper drum before attempting to install a replacement drum. Drums must be a **CTEA** approved.

Brake Chambers

⚠ DANGER

- There are **NO** user-serviceable parts inside the spring brake chamber.
- ***Improper service or repair could cause severe injury or death***
- Frequent visual inspections are necessary
- Refer to the MGM Brakes service manual for maintenance procedures

Automatic Slack Adjusters

- Refer to the slack adjuster Service Guide

Air Tanks

- Drain tanks daily to prevent build up moisture and contamination

Glad Hands

- When not in use, cover with dummy glad hands

Trailer Frame and Body

- Check for anything loose throughout the trailer
- Check suspension welding and bolt torque, referring to proper section for ratings
- All welding repairs must be done by competent welders to manufacturer specifications

Electrical

- Check lights daily, replace as needed using equivalent or better replacement
- Check scale pin wiring harness for loose connections daily. Do not grease connections

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Grease points

Main lift cylinders

- Minimum suggested lubrication is every cycle

Box Hinge (Load Cell)

- Minimum suggested lubrication is every cycle

Strut Hinge (Load Cell)

- Minimum suggested lubrication is every cycle

Landing gear

- Refer to the Jost manual for grease procedure

Kingpin

- Grease periodically to ensure kingpin does not seize in the housing

Changing tires

- Pull over where possible
- Ensure that site is level
- Refer to the GravityBox operators manual for instructions on raising and lowering the lower frame and storage box. Some sections may or may not apply

▲ WARNING

Read the Entire Operators Manual and be aware of all warnings and hazards around the GravityBox before beginning operations