Troubleshooting

**Braking Systems - Hydraulic**

### Troubleshooting Chart

**SYMPTOM**
- Noisy Brakes
- Locking Brakes
- Pulls to One Side
- Dragging

**CAUSES**
- Underadjustment
- Lack of Lubrication
- Broken Brake Components
- Incorrect Brake Components
- Loose, Bent or Broken Brake Components
- Underadjustment
- Out-of-Round Drums
- Incorrect Tire Pressure
- Restricted Brake Lines or Hoses
- Malfunctioning Cylinder Assembly
- Defective or Damaged Shoe and Lining
- One Side Out-of-Adjustment
- Improper Fluid
- Blocked Master Cylinder
- Parking Brake Cable Frozen
- Improper Lining Thickness or Location

**REMEDIES**
- Adjust
- Lubricate
- Replace Components
- Correct
- Replace Components
- Adjust
- Machine or Replace
- Inflate Evenly on Both Sides to Req. Pressures
- Match Tires on Axle
- Repair or Replace
- Check for Stuck or Sluggish Pistons
- Install New Shoe and Lining-Complete Axle
- Adjust
- Replace Rubber Parts Fill with DOT4 Fluid
- Open with Compressed Air or Replace Cylinder
- Free Cable and Lubricate
- Install New Shoes and Linings
Troubleshooting

**SYMPTOM**

- No Brakes
- Weak Brakes
- Harsh Brakes
- Surging Brakes

**CAUSES**

- Broken or Kinked Brake Line
- Severe Underadjustment
- Malfunctioning Actuation System
- Brake Adjustment Not Correct
- Excessively Worn Brake Linings
- Incorrect Lining
- Grease or Fluid Soaked Lining
- Frozen Master Cylinder or Wheel Cylinder Pistons
- Glazed Lining
- Excessive Drum Wear
- Trapped Air in Lines
- Overloaded Trailer
- Malfunctioning Actuation System
- Brake Adjustment Not Correct
- Grease or Fluid on Linings
- Grease or Oil on Linings
- Out of Round Drums or Cracked Drums

**REMEDIES**

- Repair or Replace
- Adjust Brakes
- Troubleshoot System
- Manual-Adjust Brakes Automatic-Make Several Reverse Stops
- Replace Shoe and Lining
- Install Correct Shoe and Lining
- Repair Grease Seal or Wheel Cylinder. Install New Shoe and Lining.
- Recondition or Replace All Cylinders, Brake Fluid
- Reburnish or Replace
- Replace
- Bleed System
- Correct
- Troubleshoot System
- Manual-Adjust Brakes Automatic-Make Several Reverse Stops
- Replace Shoes and Linings
- Clean or Replace
- Machine or Replace