

## Tips to Extend Service Life of Bescodyne Units

**KNOW THE AIR PRESSURES** - don't guess, be positive

Bescodyne Unit 10S & 11S	Use 70 P.S.I. for Clutch Use 50 to 55 P.S.I. for Brake
Bescodyne Unit 14S	Use 50 P.S.I. for Clutch Use 33 to 55 P.S.I. for Brake

Refer to the Besser Dynapac Operating Instructions catalog No. D-8901, page 31, Bescodyne Drive Adjustment and Bescodyne Air Pressure.

**BRAKES** are spring-boosted, so less air pressure is required.

**GAUGES AND REGULATORS** - Use glycerine-filled gauges, they are accurate and last longer.

**DYNAPAC USES TWO DIFFERENT UNITS** - 5S and 10S units use entirely different friction lining. Radically higher pressures will cause premature wear. Integrally piloted valve will not shift at pressures below 40 P.S.I. Must be converted to externally piloted. For a conversion consult a Besser representative or refer to Besser Service Bulletin No. 91-1.

**EXCEEDING 80 P.S.I.** on the clutch for length of time can result in early failure of thrust bearings.

**AIR LINE LUBRICATION** - Use an air line lubricator only when a lubricator has been used previously. A small trace of oil in the air valve and piston of the Bescodyne can extend life. Use the same ATF oil in the lubricator as used in the Bescodyne. When adjusting the lubricator, follow the adjustment procedures as outlined by the manufacturer.

**CLEANER AIR** - Always invest in good quality air filters, regulators and lubricators. The result of using air filters, regulators and lubricators is clean air that is free of moisture and contaminants.

**V BELTS** - While it is necessary to maintain enough belt tension to drive the block machine, over-tightening of V belts on the output end of the Bescodyne drive could cause fatigue breakage of the splined output shaft. When the 4 or 5 groove output sheave becomes worn, it is tempting to over-tighten the belt to prevent slipping. When slippage occurs, replace the output sheave. Refer to the Besser Dynapac Operation Instructions catalog No. D-8901.

**CHANGING OIL** - Besser recommends changing the oil in Bescodynes drives every three months. Use a Multi-Purpose ATF 210 Automatic Transmission Fluid. CAUTION: Do Not Overfill. Refer to Besser Service Bulletin No. 93-4, for additional information.

**DO NOT FLUSH** with any solvents, we recommend to simply change the oil.

**EXCESSIVE HEAT** can be a real enemy! Keep fans intact and fan shroud in place.

## Tips to Extend Service Life of Bescodyne Units

### **SAFETY BULLETIN**

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practice and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

### **IMPORTANT**

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

#### **ALWAYS:**

- ✓ Be sure proper guarding is in place for all pinch, catch, shear, crush, and nip points.
- ✓ Be sure that all personnel are clear of the equipment before starting it.
- ✓ Be sure the equipment is properly grounded.
- ✓ Turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs, and maintenance.
- ✓ Wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection, and hard hats.
- ✓ Keep chemical and flammable material away from electrical or operating equipment.
- ✓ Maintain a safe work area that is free from slipping and tripping hazards.
- ✓ Be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.

---

## Tips to Extend Service Life of Bescodyne Units

### **NEVER:**

- ✓ Exceed the rated capacity of a machine or tool.
- ✓ Modify machinery in any way without prior written approval of the Besser Engineering Department.
- ✓ Operate equipment unless proper maintenance has been regularly performed.
- ✓ Operate any equipment if unusual or excessive noise or vibration occurs.
- ✓ Operate any equipment while any part of the body is in the proximity of potentially hazardous areas.
- ✓ Use any toxic flammable substance as a solvent cleaner.
- ✓ Allow the operation or repair of equipment by untrained personnel.
- ✓ Climb or stand on equipment when it is in operation.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.