

# SERVICE BULLETIN # 42

## RE: New Fiber Lined Shoes for Clutches

*New Fiber-Lined Clutch Shoes improve performance of Little Beaver mechanical earth drills.*

- Quieter Operation
- Less Vibration, reducing Operator Fatigue
- Generates less heat
- Reduced damage to drive-line components when digging in rocks or other difficult soils (Flexible Shaft AND Transmission)

The outside diameter of the lined shoes is larger and therefore requires a larger drum. The drum for the metal shoe clutch is SILVER and the fiber-lined shoe drum is GOLD.

To purchase a complete assembly which consists of a rotor assembly including shoes, springs and drum with pilot bearing, order number:

CCO-5# for 3/4" Bore ( 5 to 5.5HP engines)

CCO-8# for 1" Bore ( 7 to 8HP engines)

### **IMPORTANT OPERATING INFORMATION:**

Excess heat produced when operating most types of machinery can be very destructive. This holds true for Little Beaver's mechanical and hydraulic earth drills. It is very important to minimize the production of heat due to improper operation of the earth drill.

A potential source of significant heat production is from slipping the centrifugal clutch on the Little Beaver mechanical earth drill. When the auger stops turning or slows significantly during operation, the clutch is slipping and producing heat. Heat produced by excess clutch slippage can cause premature driveline component failures.

Another potential source of significant heat production is from extended operation at or near relief pressure on the Little Beaver hydraulic earth drill. When the auger stops turning or slows significantly during operation, the hydraulic oil is bypassing through relief valve and producing heat. Heat produced by excess operation at or near relief pressure can cause premature hydraulic component failures.

If the auger stops turning or slows significantly, release throttle lever immediately and determine the cause. If the auger stops due to an obstruction or overloading, lift handle until auger may turn at full speed. With auger turning at full speed, lower auger into hole and continue drilling. It may be necessary to hold up on handle when drilling in certain soil conditions. If the auger slows significantly due to adding down pressure when drilling in hard soils, check point and/or blade of auger for damage or wear. Replace any damaged or worn parts. Also, proper selection of the auger for specific soil condition will optimize earth drill performance. Please consult factory with any questions regarding proper auger selection for specific drilling conditions.

SEE REVERSE SIDE OF THIS BULLETIN FOR THE COMPLETE PARTS MANUAL  
PAGE TO BE PLACED IN YOUR CURRENT PARTS MANUAL.

If you have any questions or need additional information, please call or write us at:

**LITTLE BEAVER, INC.**

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