

Drive Wheel Failure

Models Affected: All Operator Aboard Battery Extractors

Tech Tip
TT-917

Subject:

Difficulty or inability for Operator Aboard Battery Extractor (BE) to move when loaded unless pushed to start.

Description:

The BE is driven by two drive wheel assemblies. If one wheel assembly fails, it is possible for the BE to travel unloaded with little or no trouble. Once loaded however, the BE may be difficult or even impossible to start moving without pushing it with a lift truck. Once moving, the BE may travel normally until coming to a stop where problems moving occur again.

Recommendation:

There are two different processes to check for drive wheel assembly failure.

Machine Loaded

1. Load the BE with two batteries that will produce the problem condition.
2. With someone carefully operating the drive function on the BE, examine the drive wheel couplings for each drive wheel assembly. A flashlight will be helpful in this examination.
3. If a coupling assembly is found to be turning but the wheel is not, this indicates a failure of the wheel/shaft connection and repair is necessary.

Machine Unloaded

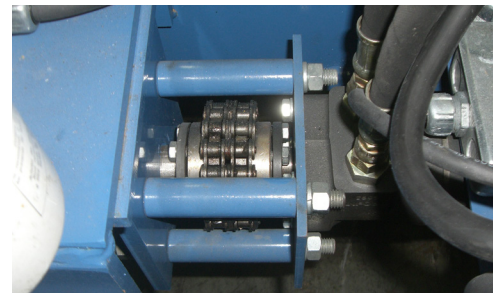
1. Raise the operator's end of the BE so that both drive wheels are slightly off the ground.
2. With someone carefully operating the drive function on the BE, examine the drive couplings and the wheels themselves for operation. A flashlight will be helpful in this examination.

Note: It is possible for a failed assembly to still turn without resistance on the wheel.

3. If both wheels appear to be turning, use a large screwdriver or small pry bar to apply pressure to the wheel. If the wheel stops turning when pressure is applied, this indicates a failure of the wheel/shaft connection and repair is necessary.

Repair:

BHS offers several options to repair the drive wheel from a Drive Wheel Repair Kit to a complete Drive Wheel Assembly. Contact the BHS Tech Support Department for the repair parts that best suit your needs.



Top View of Drive Wheel Coupling



Bottom View of Drive Wheel

For more information call: 1.877.BHS.4YOU
(Outside the U.S. +1 314 890 0953)