

Tape Guide Pin Roller Revision

Description of issue:

An issue has arisen on all Galvanic lead acetate tape analyzers with the take-up reel winding up too tightly. This issue could potentially cause one of several possible problems:

- Tape winding up too tightly, making removal of used tape difficult
- Tape climbing up the plate behind the take-up reel
- Tape breaking
- Explosion Proof motor shaft seizing
- Tape wanders back and forth on the take-up reel.

The cause of these problems was found to be excessive friction caused by the stainless steel guide pins above and below the sample chamber used for tape alignment.

Resolution:

This issue can be resolved by installing longer guide pins with a PVC roller installed over top of the pin. This roller reduces the friction between the tape and the guide pin, allowing the tape to be taken up on the take-up reel correctly.

The pins and rollers will be shipped upon request at no charge.

LEFT: The new guide pin with roller (top) and the old guide pin (bottom).

CENTRE: The position of the upper guide pin (1) and lower guide pin (2)

RIGHT: The new upper guide pin (3) and lower guide pin (4) installed above and below the sample chamber.

