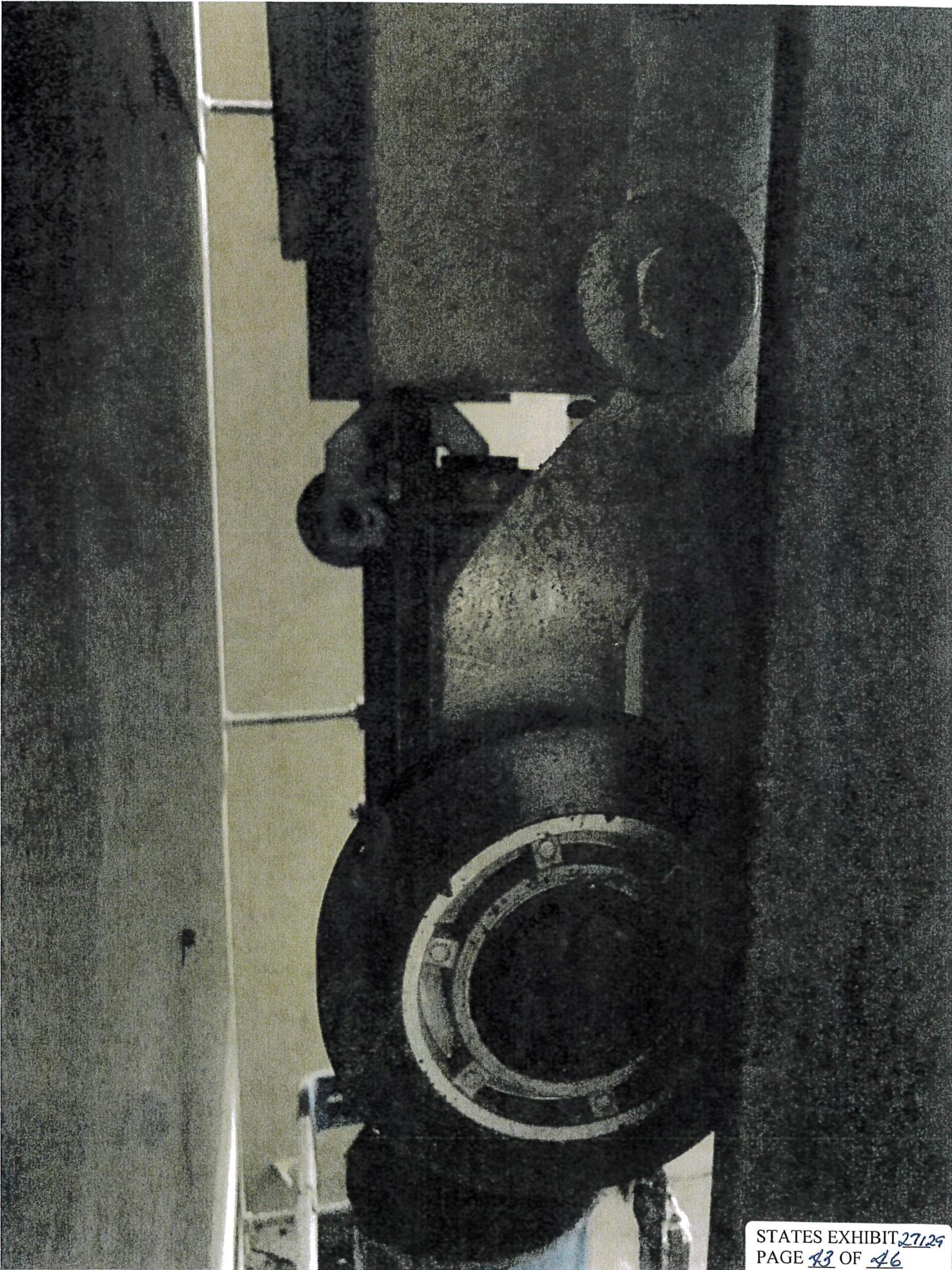


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Jim Murnan

From: Sara Gebresilassie [REDACTED]
Sent: Wednesday, March 27, 2019 1:08 PM
To: Jim Murnan
Subject: [External Email] Re: Brake Coil Test

CAUTION: This email originated from outside of the organization! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe!

Hi Jim,

Thank you for the email.

The brake coil was tested for resistance and reported GOOD. The brake coil PASSED the overall electrical test. If you would like me to type up a formal report I can definitely do so, I left you a voicemail with my number. Let me know if you have any questions.

Sara

AC/DC Electric Motor Service

4822 Don Drive
Dallas, TX 75247
O: (214)-678-9997
[REDACTED]

On Mon, Mar 11, 2019 at 9:54 AM Jim Murnan <jim.murnan@tdlr.texas.gov> wrote:

Alias, thank you very much for your shop's help in testing the "brake coil" on Friday, March 1, 2019. Your technicians were more than helpful and took care of me right away. I am in need of a receipt that states the brake coil was tested and it worked satisfactorily. If you could send that to me by e-mail, that would be great. Thanks-Jim

Jim Murnan-Chief Elevator Inspector

Texas Dept. of Licensing & Regulation

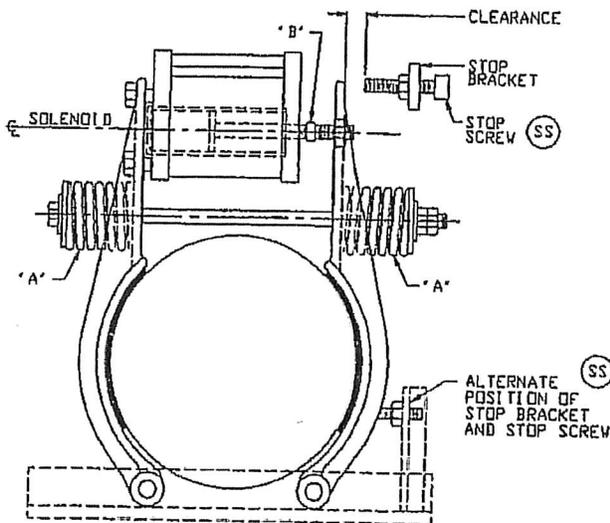
Regulatory Program Management 512-539-5724

jim.murnan@tdlr.texas.gov

□ ADJUSTING SHORT-STROKE D.C. BRAKE

1. Adjust screw "B" so that the motion of the solenoid rod or pin is 1/16" to 3/32" when the coil is energized. This is determined by measuring the difference in the distance between the two shoes at the center line of the solenoid when the coil is energized and then de-energized.

Adjust Stop Screw "SS" so that each shoe opens an equal amount. The total stroke of the rod or pin should never exceed 1/8"



Brake Sheave Assembly

2. Springs "A" should be compressed just enough to insure holding the load with 125% of capacity on the car, and to give a smooth, positive stop with an A.C. hoist motor. Compressing the springs tighter than this will give a harsh, noisy stop, and may even prevent the shoes from opening.
3. If the bearing or contact of the lining with the brake pulley is above the center line of the pulley, adequate braking torque cannot be accomplished. There must be contact at the center or slightly below the center for proper braking action.

If the contact is above the center, it must be lowered by raising the brake shoes slightly. This is accomplished by raising the one piece pin mounting bracket, or kicking the separate shoe pin mounting brackets in toward the centerline of the worm.

4. With the coil energized, check to make sure the brake lining is not contacting the brake pulley at some point. This is accomplished by inserting a piece of shim stock between the lining and the pulley on both sides of the shoes.

If there is contact at any point, the shoes must be shifted to obtain some clearance. If the machine is run with a portion of the lining rubbing on the pulley, the pulley will get hot and could warp. For the best operation of the brake, the shoes should be open just enough for the linings to clear the pulley; they must clear.

5500-018 (8/97)

Brake limit switch

Machines built after 1990 are supplied with a brake switch to prevent the possibility of the machine being operated with the brake on. The brake comes with pre-drilled holes to mount the switch bracket. On older machines drill the brake shoe in the same manner to install the switch.

»NOTE«

The switch bracket should be mounted on the inside of the brake shoe on the 208 machine and mounted on the outside surface of the 210 and 214.5 brake shoe arm.

The brake should be properly adjusted before adjusting the switch.

5500-019 (8/97)

Servicing the Brake

In service, the stroke of the solenoid rod or pin will slowly increase due to wear of the brake linings. This should be checked regularly to make sure that the total stroke never exceeds 1/8". When this maximum stroke has been reached, the brake must be re-adjusted per Step 1 in "Adjusting Short Stroke D.C. Brake."

Video Instructions of Investigation 1/23/2019

- You will need a video player for MXF video
- Go to DTL Plus Launcher
- Enter password "Elevatorvideo01", exactly as written
- Video's are in chronological order