

## Anderson, Mary

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**From:** Michaela Cisowski <fastpitchmic@gmail.com>  
**Sent:** Tuesday, March 04, 2014 6:08 PM  
**To:** zRepresentative Jay Case; cttruck@aol.com; mike.lonergan@ct.gov; GGibson@CTStateGrange.org; Rep. Guerrero, Tony  
**Subject:** Michaela Cisowski - Bill 2588 - My Personal Project Info  
**Attachments:** Log Book.pptx; 8 (1).JPG; 8 (2).JPG; 8 (3).JPG; 8 (4).JPG; 8 (5).JPG; 8 (6).JPG; 8 (7).JPG; 8 (8).JPG; 8 (9).JPG; 8 (10).JPG; 8 (12).JPG; 8 (13).JPG; 8 (14).JPG; A 16 (1).JPG; A 16 (2).JPG; A 16 (3).JPG; A 16 (5).JPG; A 16 (6).JPG; A 16 (7).JPG; A 16 (8).JPG; A 16.JPG; beg (2).JPG; beg (3).JPG; beg (4).JPG; beg (5).JPG; beg (6).JPG; beg (7).JPG; beg (8).JPG; beg.JPG; set up.JPG

March 4, 2014

My name is Michaela Cisowski and I am currently a sophomore at Northwestern Regional 7 and am enrolled in the FFA program. I am writing regarding bill number 5288. This bill is about the concerning chemical road treatments. On February 28, 2014 there was a hearing in the Legislative Office Building at the Capital in Hartford. As you may or may not know, I was present at this hearing and spoke about my current experiment that could be of help to passing this bill so the Commissioner of Transportation conducts an analysis of these corrosive substances on our vehicles, bridges, and environment. For my annual FFA project I have conducted an experiment to test the effects of three different road treatments specifically Clearlane, Magnesium Chloride Brine, and Sodium Chloride, on brake lines and brake rotors compared to the control parts that are only sprayed with water. This is done three to five times a month along with pictures and detailed observations recorded in a log book. I have been working on my project since August and plan to continue through March collecting data, taking pictures, and filling out records. When I bring the experiment to an end, I will create data tables, abstracts, reflections, and a conclusion. So far, the results show that these road treatments are very corrosive. There is rust build up shown on both the brake rotors and brake lines for all three of the treatments. Each of the treatments corrodes a little differently with different colored rusts as well as bulging and even flaking as time went on.

Several stories were told at the hearing about how trucks were breaking down and brakes stopped working because of these substances. Some of these trucks were fire trucks. At the hearing, it was also mentioned that a couple of bridges were shut down in the northwest corner because they are no longer safe to the public to be driving. Because of all the snow we have had and all of the run off, the road chemicals are getting into the concrete and weakening the structure of the bridge. These road treatments are causing dangerous hazards for the people of Connecticut. We need to pass this bill.

Sincerely, Michaela Cisowski

Northwestern Regional 7, Winsted CT

Northwest FFA Chapter

Attached to this email I have included some pictures from my first, eighth, and sixteenth application, as well as my log book with observations and other notes. I can send my conclusion and results in a month or so if you are interested please let me know! Feel free to respond with questions or if you would like results!

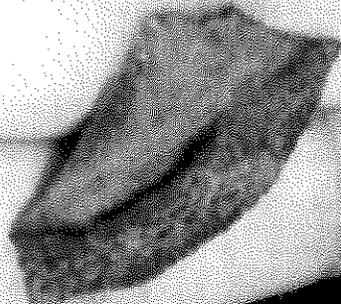
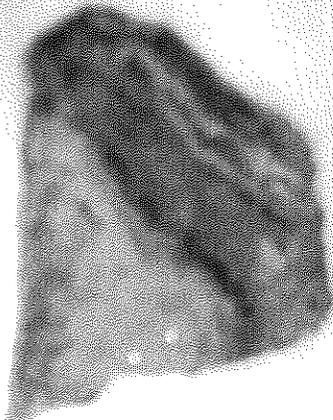
Sale Salt - Sodium Chloride

1



State Sp. of Florida

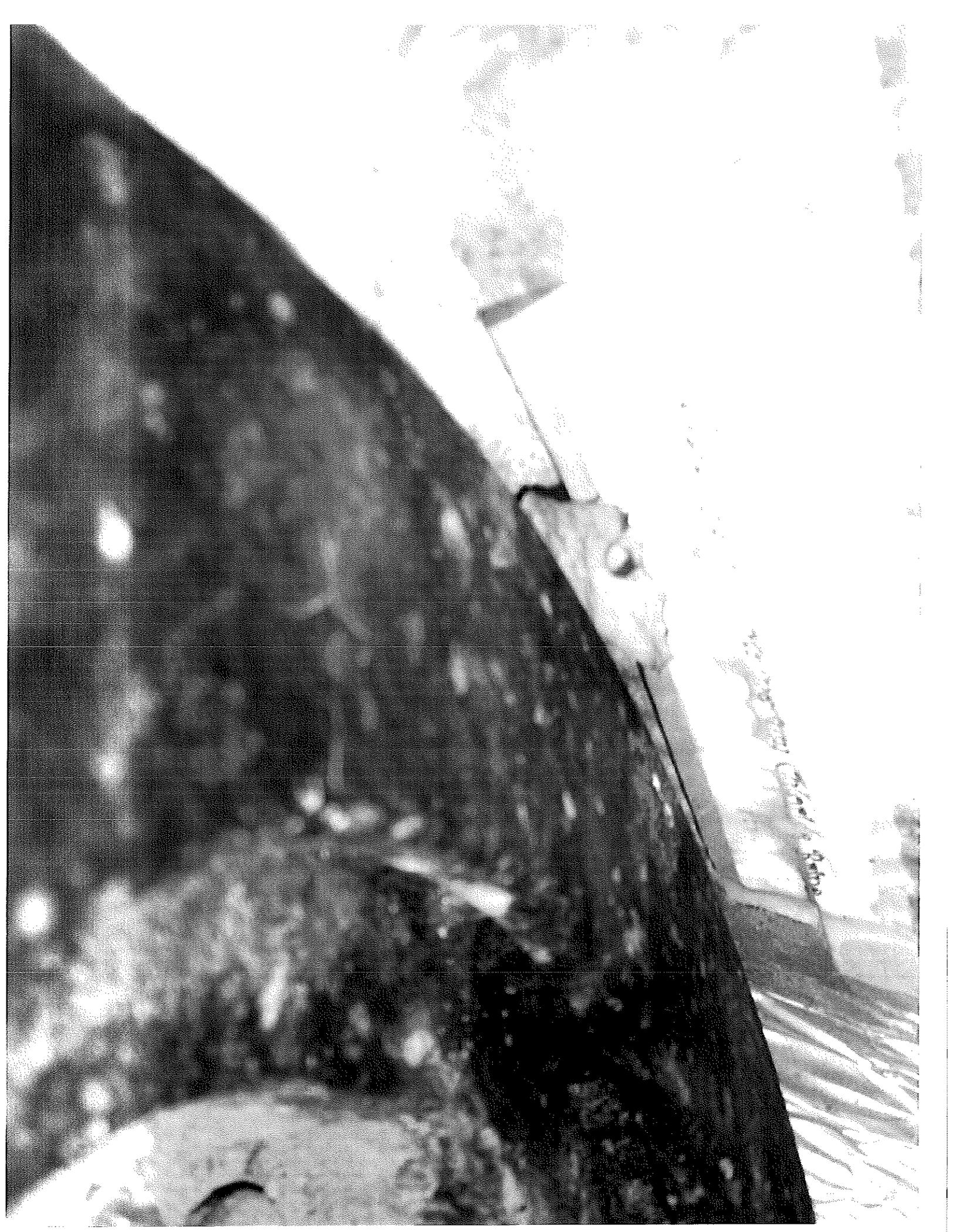




State Salt - Sodium Chloride  
17076 10/05









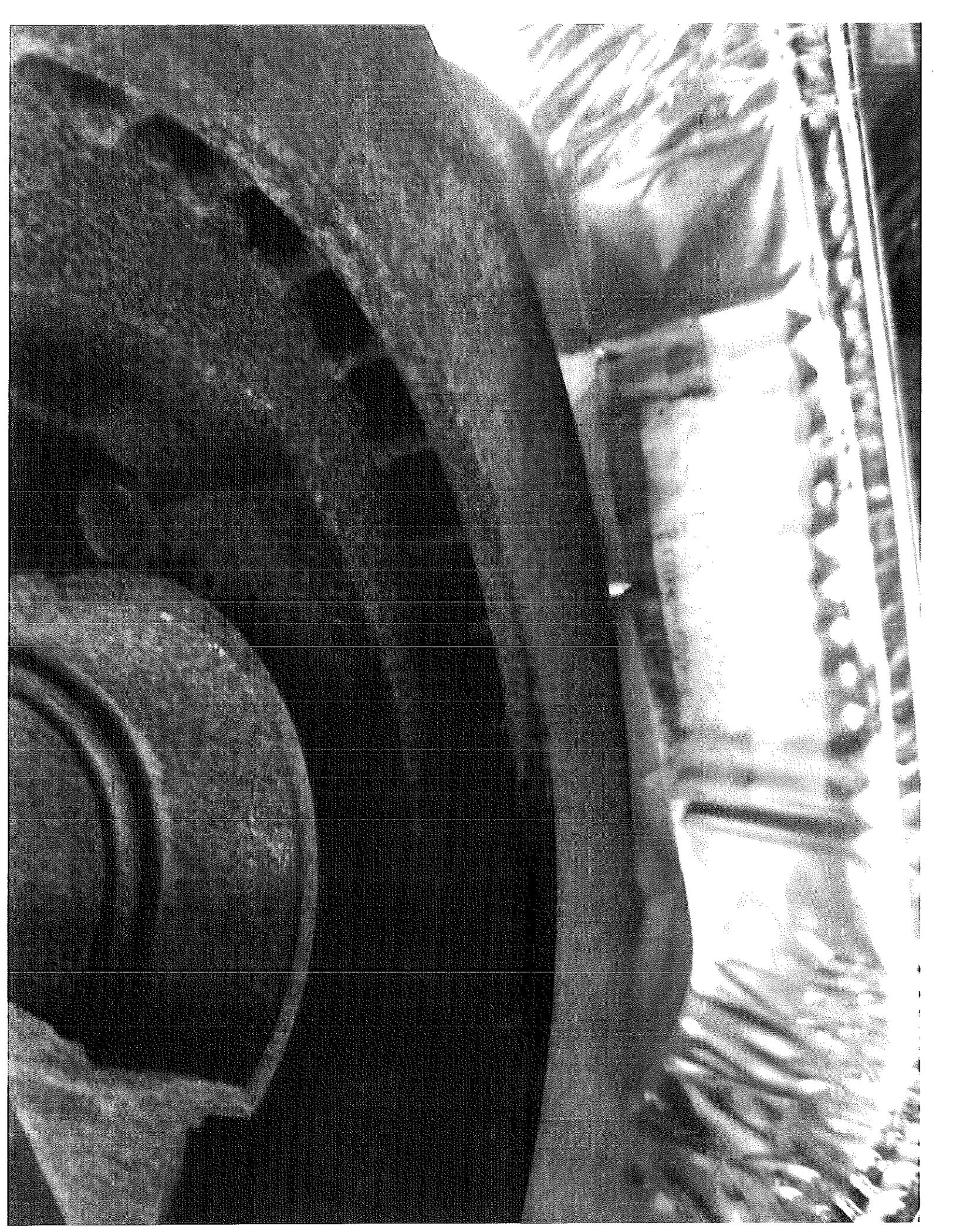
SIVON - Clearline

State Liquid - Magnesium Chloride 97.0%





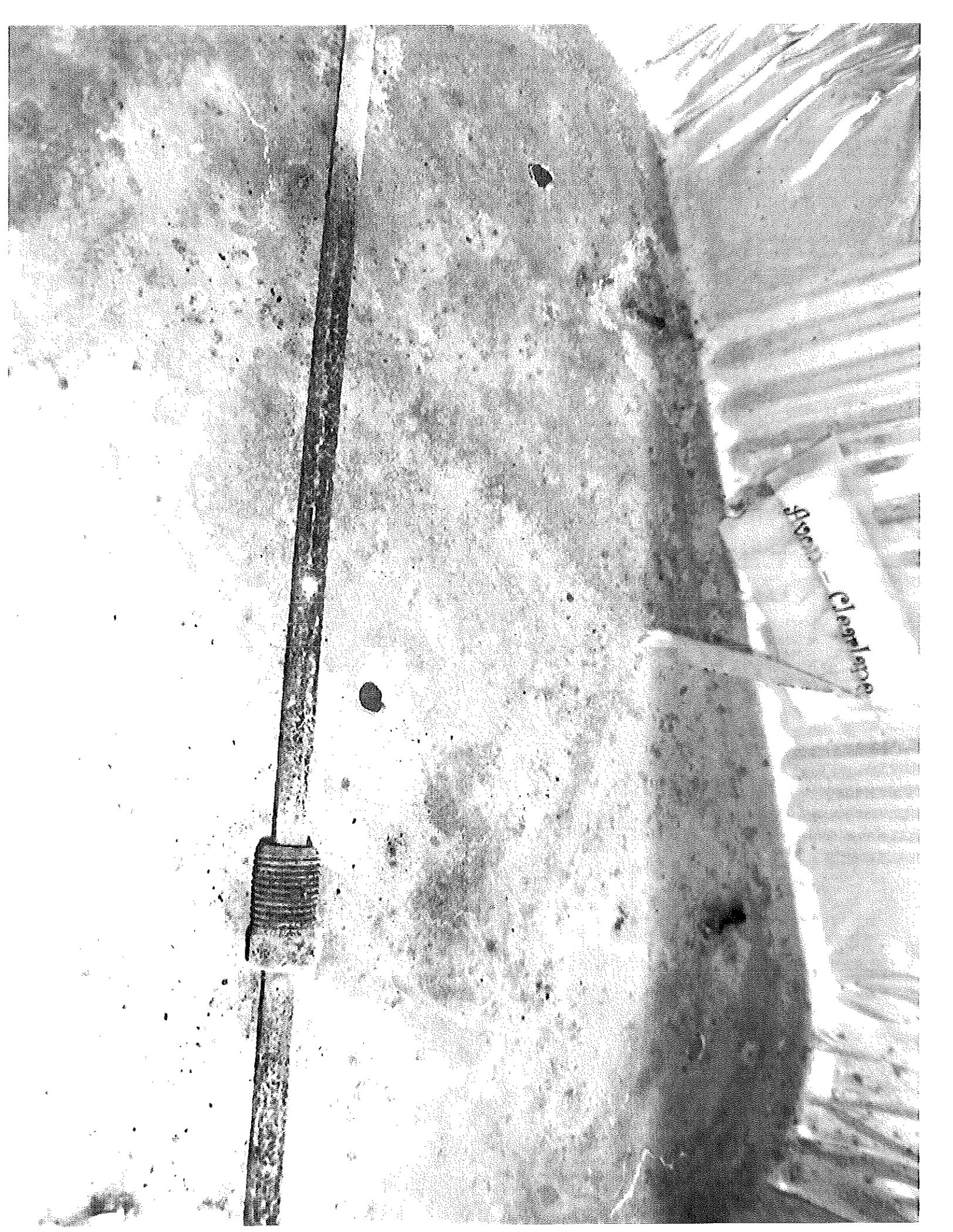




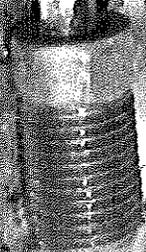




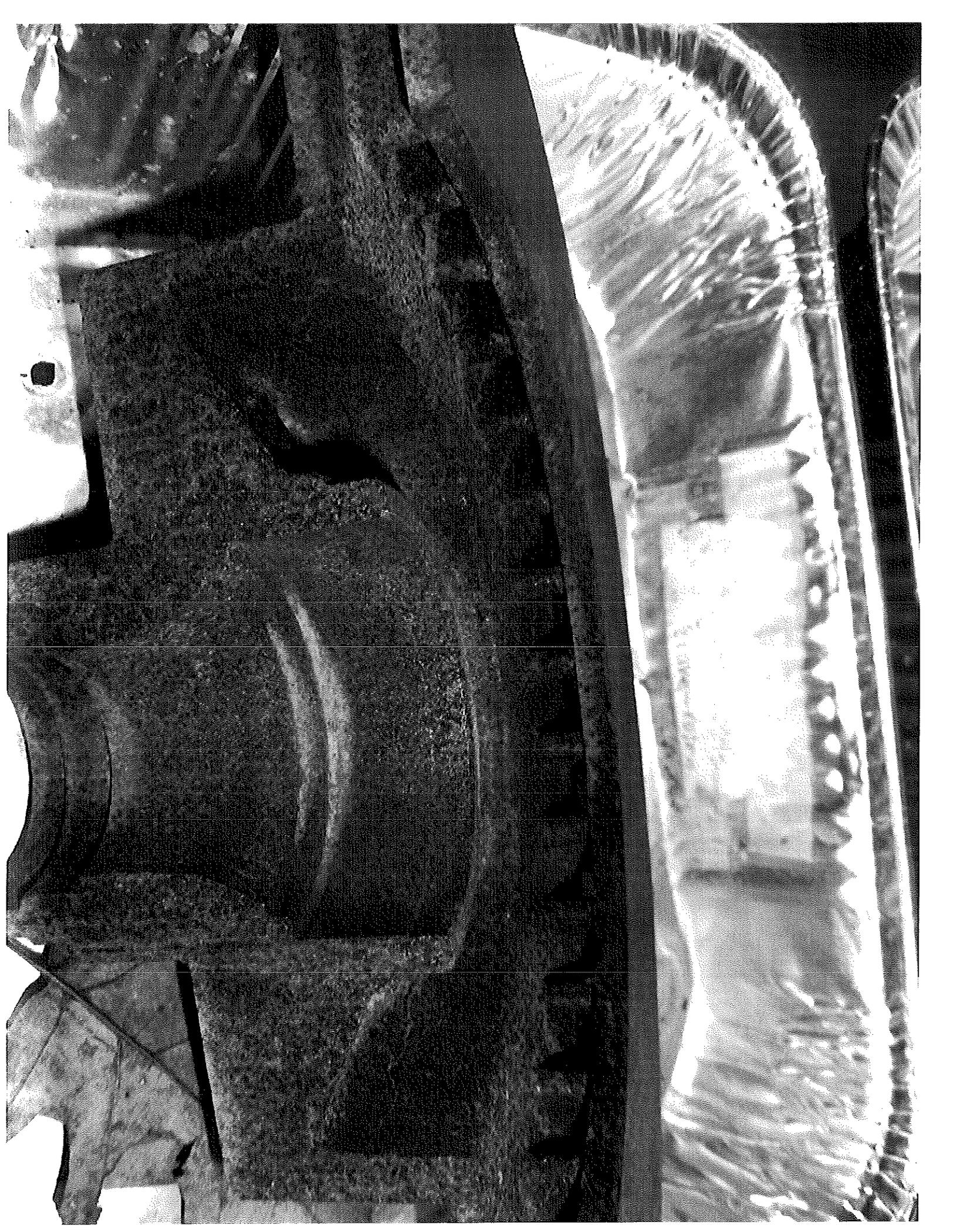
10/10/77  
38.00

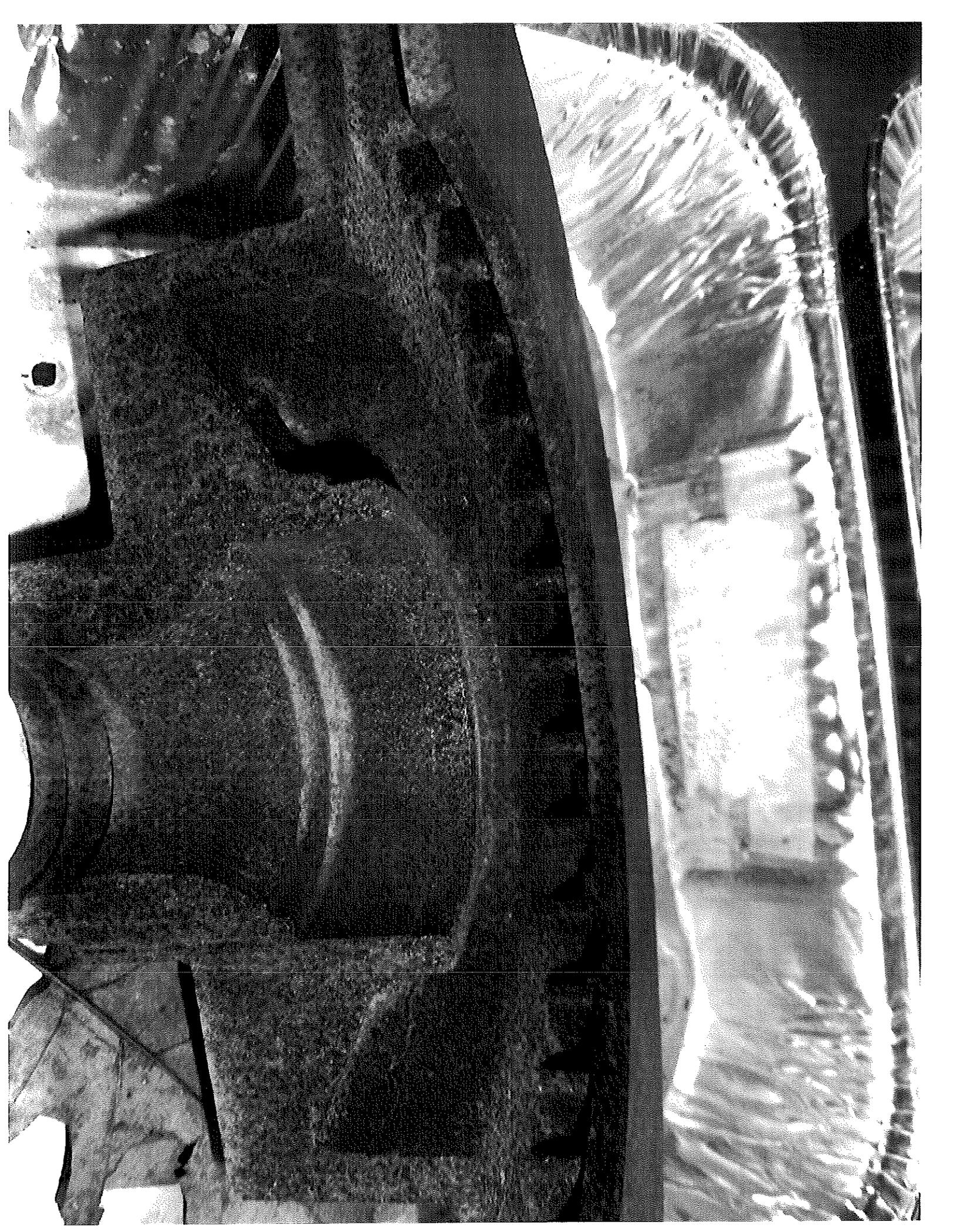


State Liquid - Magnesium Chloride 47102











COSTUME

W/...





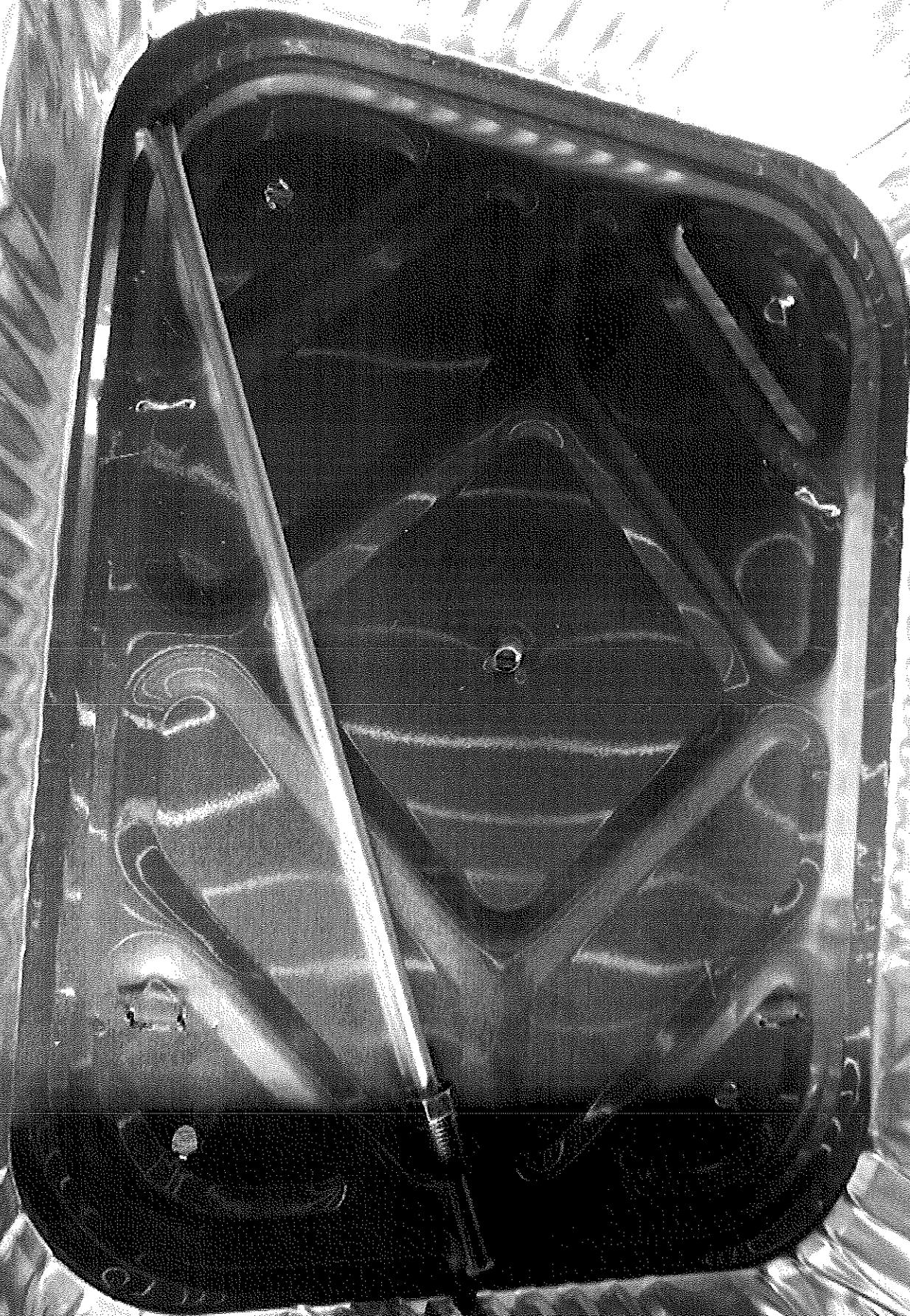
Sodm. - 1700

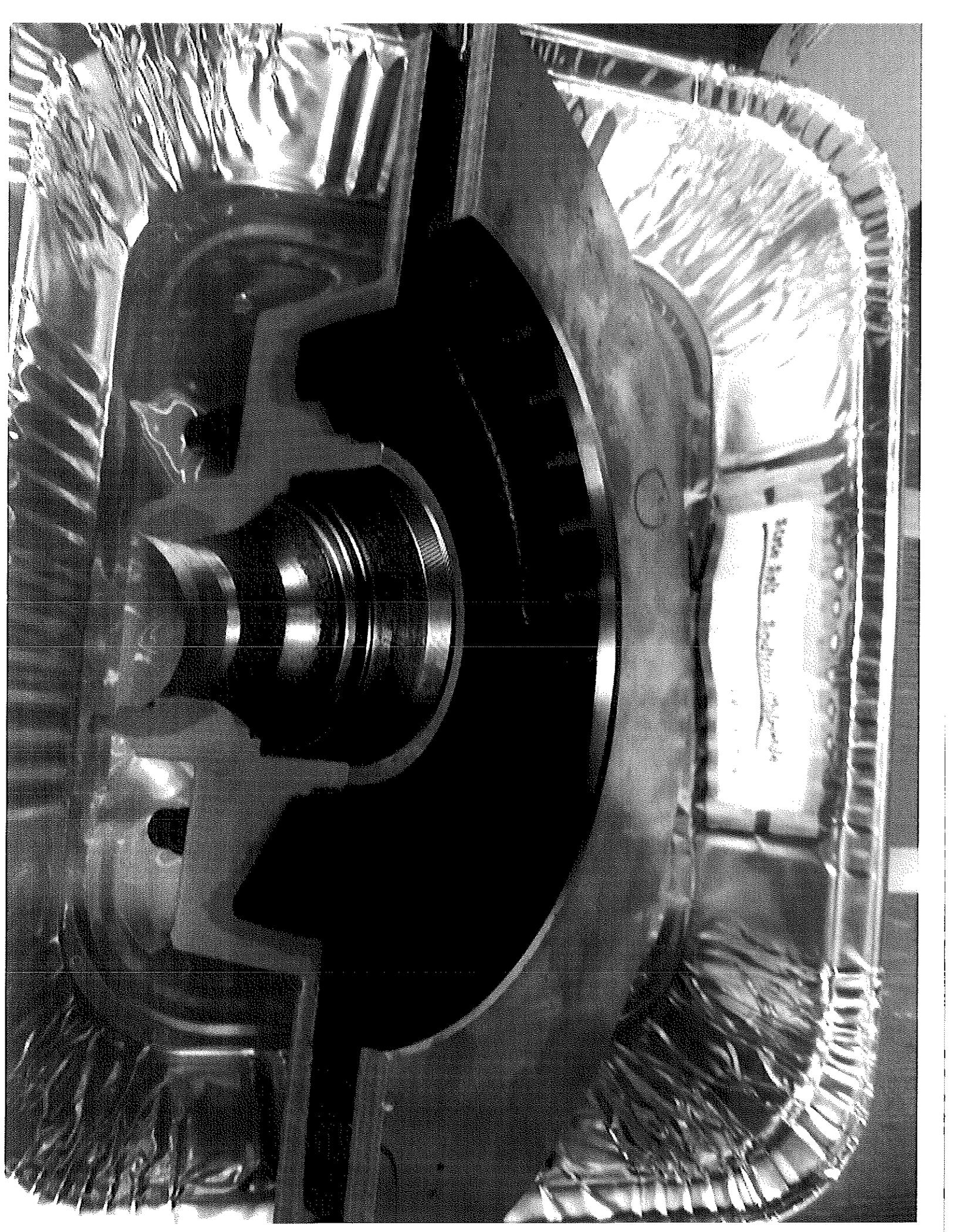


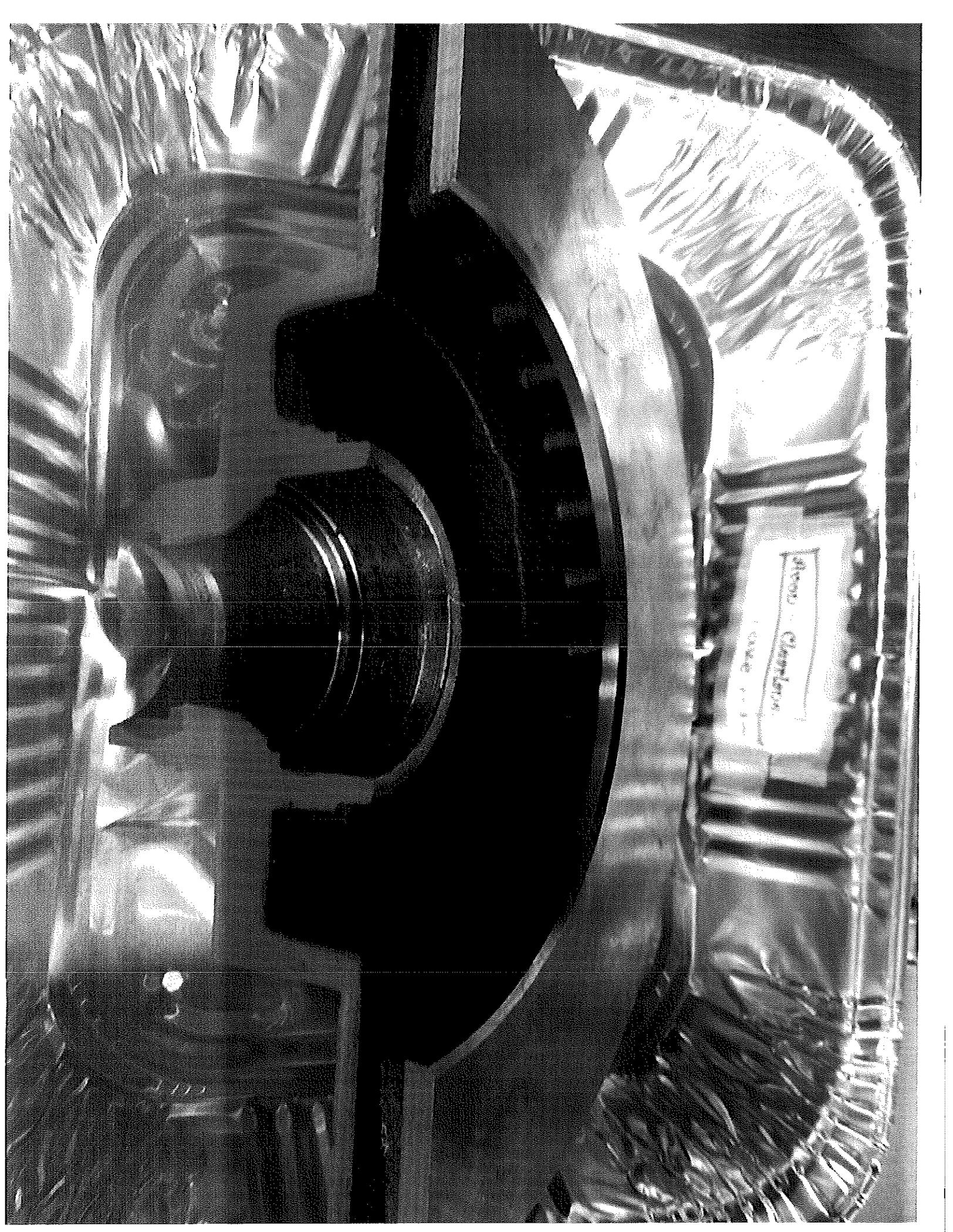
Control - VZV  
B. 10/10/10

State Salt - Sodium Chloride

Private Use









Food - Clearlane

Clear lane