MIT DIVING AND COATING

Tank Name:	Utility Name:	Tank Capacity:
Tank 2	Juniper River CWD	50KG
Tank Manufacture:	**Storage Type:**	**Diameter/Height**
N/A	On-Grade Steel-Bolted	23' 16'

MIT Diving and Coating

Juniper Riviera CWD authorized MIT Diving and Coating to conduct maintenance inspection on 04.26.2024 of the Steel-Welded Boundary Storage Tank. This report documents the findings of the inspection and services performed.

Maintenance recommendations have been made in accordance with the requirements of American Water Works Association's Standard AWWA D100-11 WELDED CARBON STEEL TANKS FOR WATER STORAGE. A photo summary and narrated DVD video are also included to document the condition of the tank.

The field-work was completed on 04.26.2024 by a team comprised of Chris Rendon, Joshua Pilotzi, Huntter Berry, and Samuel Placek. The exterior shell observations were made mostly from grade level, while the exterior of the roof was examined close-up. The interior inspection was carried out with the tank's water level near approximately 20FFW using underwater diving equipment Kirby Morgan 37, 301 camera / light mount, Go pro for still images, Amcon radio and

MIT DIVING AND COATING

Reservoir	Utility Name	Date
50KG Steel-Bolted	Juniper River CWD	4/26/2024

Dive Control/Supervisor	Diver/Inspector	Tender
Placek, Samuel	Pilotzi, Josh	Rendon, Chris

SSPC Rating's Key

Description - Good Condition
10 - No Rusting, or <0.01% of surface is rusted
9 - Minor rusting, or <0.03% of surface is rusted
8 - Isolated rust, <.01% of surface is rusted

Description - Fair Condition
7 - Isolated rust, <.03% of surface is rusted
6 - Extensive rusting, <1% of surface is rusted
5 - Approximately 3% of the surface is rusted

Description - Poor Condition
4 - Approximately 10% of the surface is rusted
3 - Approximately 17% of the surface is rusted
2 - Approximately 33% of the surface is rusted
1 - Approximately 50% of the surface is rusted
0 - Approximately 100% of the surface is rusted

Overall Coating Condition

Int. Roof Fair Ext. Roof Poor

Int. Floor Poor Ext. Floor Poor

Overall Weld Condition

Int. Roof Fair Ext. Roof Poor

Int. Floor Poor Ext. Floor Poor

Overall Coating Deficiency's

- [x] Delamination
- [ ] Blistering
- [x] Chalking
- [x] Staining
- [ ] Cracking
- [ ] Pinholes
- [ ] Cratering
- [x] Sags/Runs

Exterior Upper Wall Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
5	5	5	5
Fair	Fair	Fair	Fair

Exterior Middle Wall Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
6	6	6	6
Fair	Fair	Fair	Fair

Exterior Lower Wall Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
6	6	6	6
Fair	Fair	Fair	Fair

Interior Upper Wall Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
7	7	7	7
Good	Good	Good	Good

Interior Middle Wall Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
4	4	4	4
Fair	Fair	Fair	Fair

Interior Lower Wall Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
3	3	3	3
Poor	Poor	Poor	Poor

Additional Comments

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Overall Coating Condition

Int. Roof Good Ext. Roof Poor

Int. Floor Poor Ext. Floor Poor

Overall Weld Condition

Int. Roof Good Ext. Roof Poor

Int. Floor Poor Ext. Floor Poor

Overall Coating Deficiency's

- [x] Delamination
- [ ] Blistering
- [x] Chalking
- [x] Staining
- [ ] Cracking
- [ ] Pinholes
- [ ] Cratering
- [x] Sags/Runs

Interior Roof Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
7	7	7	7
Good	Good	Good	Good

Exterior Roof Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
4	2	2	2
Poor	Poor	Poor	Poor

Internal Roof Support

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
7	7	7	7
Good	Good	Good	Good

Interior Floor Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
2	4	2	2
Poor	Poor	Poor	Poor

Exterior Floor Panel Condition

Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
4	4	4	4
Fair	Fair	Fair	Fair

Support Columns

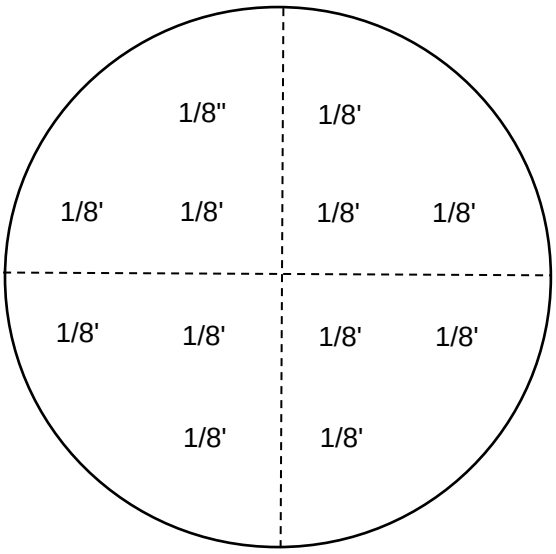
Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
7			
Good			

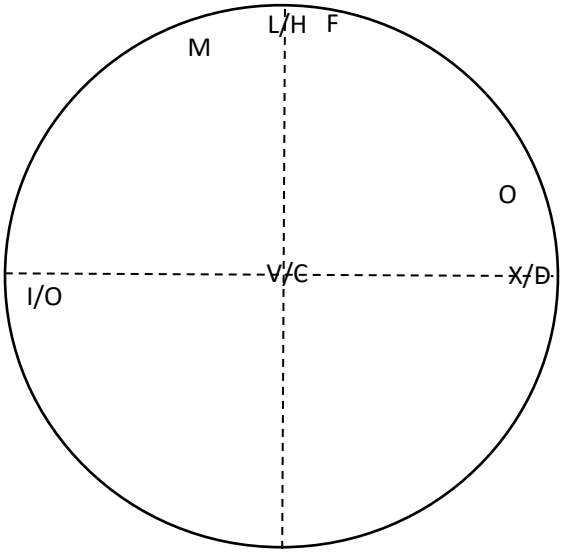
Additional Comments

Plumbing Locations and Condition

	Quadrant One		Quadrant Two		Quadrant Three		Quadrant Four	
	SSPC Rating	Corrosion	SSPC Rating	Corrosion	SSPC Rating	Corrosion	SSPC Rating	Corrosion
Inlet Plumbing					5	Fair		
Outlet Plumbing	5	Fair			5	Fair		
Manways							5	Fair
Interior Overflow	7	Good						
Floor Drains	6	Fair						

Sediment Depths & Plumbing Locations





Sediment Depths

Average Depth of sediment 1/8"

Sediment Type Silk

Plumbing Locations & Plumbing Identification Key

O = Outlet I = Inlet M = Manway V = Vent D = Drain
S = Sump L = Ladder H = Hatch X = Overflow
F = Float Level Indicator T = Telemetry C = Column

Additional Comments

Additional Reservoir Components

Primary Manway	Condition	Fair	Size		Leaking	No	Location	Quadrant 1
Primary Air Vent	Type	Mushroom	Screen Installed	No	Screen Condition	Good		
Exterior Overflow	Location	Quadrant 2	Condition	Good				
Cathodic Protection	Installed	N/A	Amount of Penetrations		Propperly Secured	No		
Water Level Indicator	Condition	Fair	Type	Float				
Primary Access hatch	Condition	Fair	Size					
Exterior Ladder	Condition	Fair	Rail to Rail		Rung to Rung		Rung To Wall	
	Rail Width		Rail Length					
Railings	Present	No	Condition	N/A				
Roof Integrity	Holes	No	Cracks	No	Structural Condition	Good		
Wall Integrity	Holes	No	Cracks	No	Structural Condition	Fair		
Antennas	Present	No	Obstructs Work Site	No	Antennas Offline	No		
Hypalon Floating Cover	Present	N/A	Condition	N/A				

Inspection Supplemental Report and Additional Information

When observing tank 2 50Kg steel- bolted exterior, the ladder appears to be in fair condition with the moderate coating loss, heavy chalkiness and mild sagging in the coating. To the left of the ladder is the float indcator board appearing to be in fair condition with moderate cracking, and moderate loss from the paint. In quadrant one the exterior inlet/outlet appear to be in good condition with moderate corrosion on the hardware. Quadrant 4 is the primary manway appearing to be in fair condition with heavy chalkiness, mild sagging, and mild delamination in the coating. The 3 o'clock position is the overflow appearing to be in fair condition with heavy chalkiness, mild cracking, and moderate loss of coating on the overflow. Directly below the overflow is a drain for this tank appearing to be in fair condition with heavy delamination, and cracking in the coating, as well as moderate corrosion on the hardware. From the drain to the wall panels appearing to be in fair condition with heavy chalkiness, and moderate loss of wall panels coating. The exterior roof appears to be in poor condition with heavy loss of coating, and heavy chalkiness. In the center of the tank the vent appears to be in fair condition with heavy loss of coating.

When entering the tank there was no interior ladder present. All quadrant mid to lower wall panels appear to be in fair to poor condition with heavy staining, heavy loss of coating, and mild chalkiness present. The hardware for the wall panels appear to be in fair condition with moderate corrosion, and heavy staining present. In the 12 o'clock position the float anchor appears to be in fair condition with heavy nodule of corrosion, and staining. Above the waterline the float appears to be in good condition with moderate staining present. The interior floor panels appear to be in poor condition with heavy staining heavy nodules of corrosion, and heavy loss of the coating exposing most of bare metal for the floor panels. In quadrant one 1:25 position is the outlet appears to be in fair condition with heavy nodule of corrosion, and heavy staining. The floor to wall seam appear to be in fair condition with heavy nodules of corrosion, and heavy staining. In the 9 o'clock position is the inlet/outlet appears to be in fair condition with heavy nodules of corrosion, and heavy staining. Quadrant four is the primary manway appears to be in good condition with heavy nodules of corrosion, heavy staining, and mild deterioration from the gasket. The center support column below the waterline appears to be in good condition with mild nodules of corrosion, heavy staining, and light chalkiness. Above the waterline the center support column appears to be in good condition with heavy staining. In the 3 o'clock position the overflow appears to be in good condition with no discrepancies to mark. From the overflow to the roof appearing to be in good condition with no major discrepancies to mark.

Thank you for selecting MIT Diving & Coating. AWWA recommends cleaning inspecting your reservoir every three to five years.

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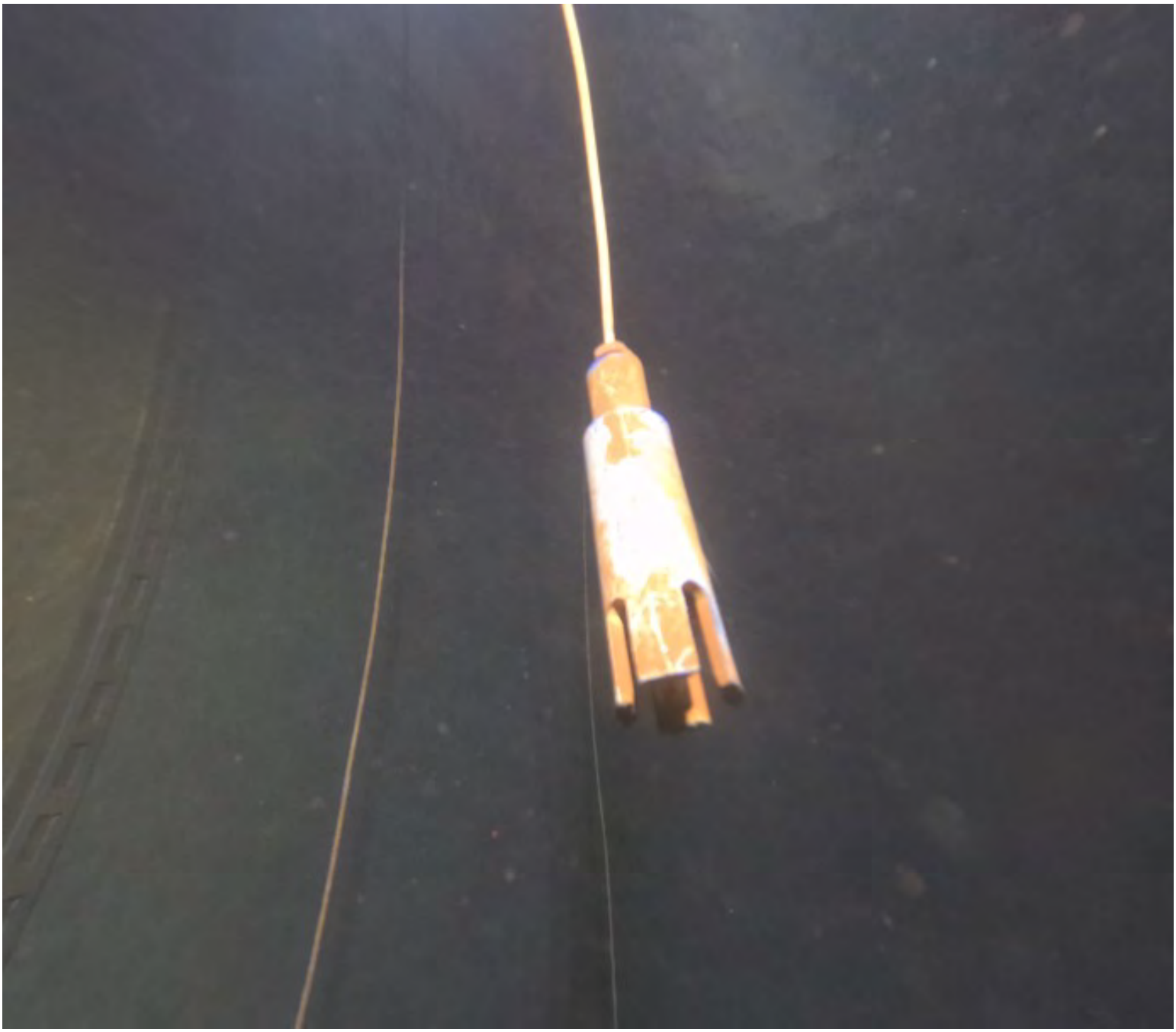

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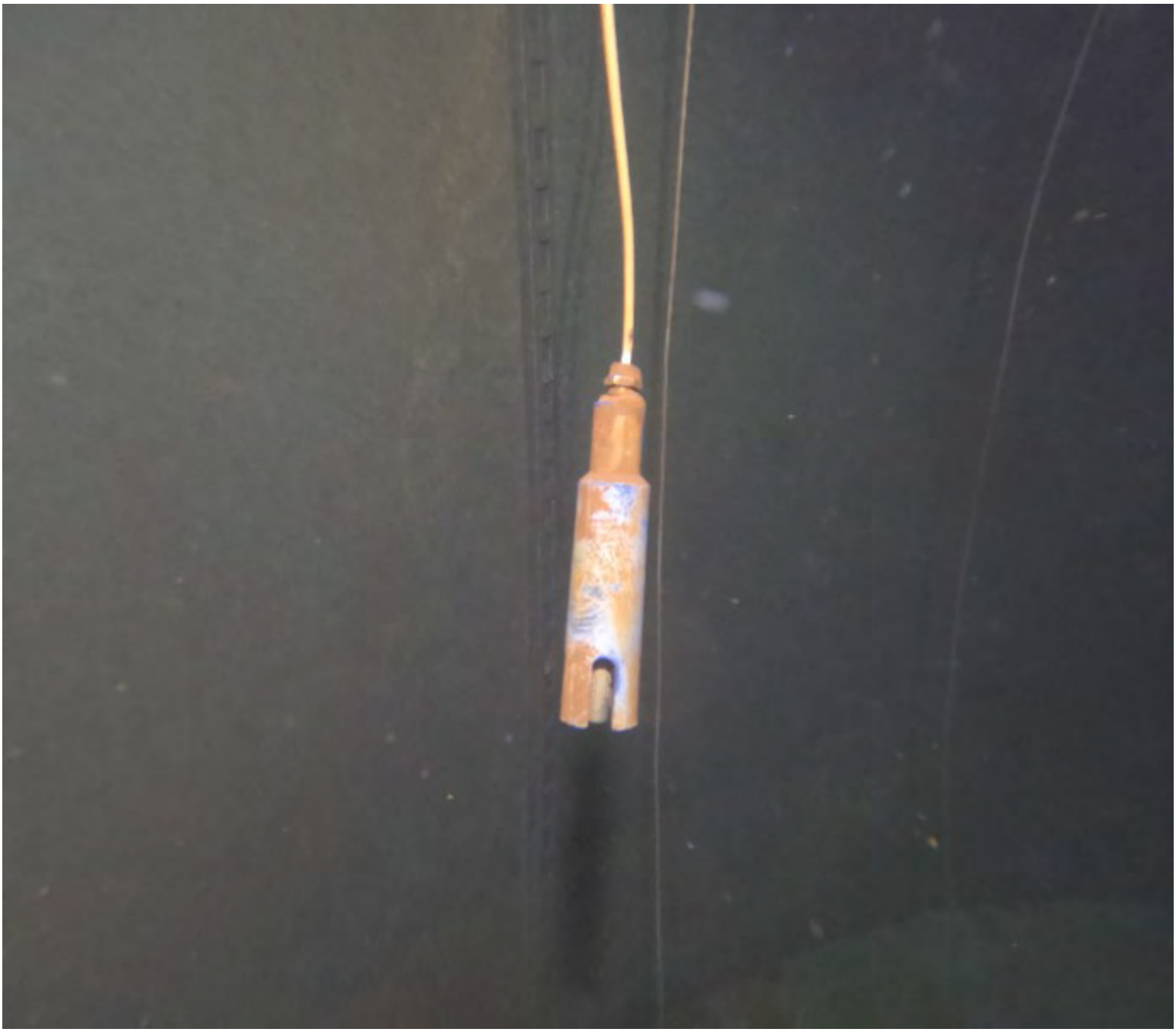

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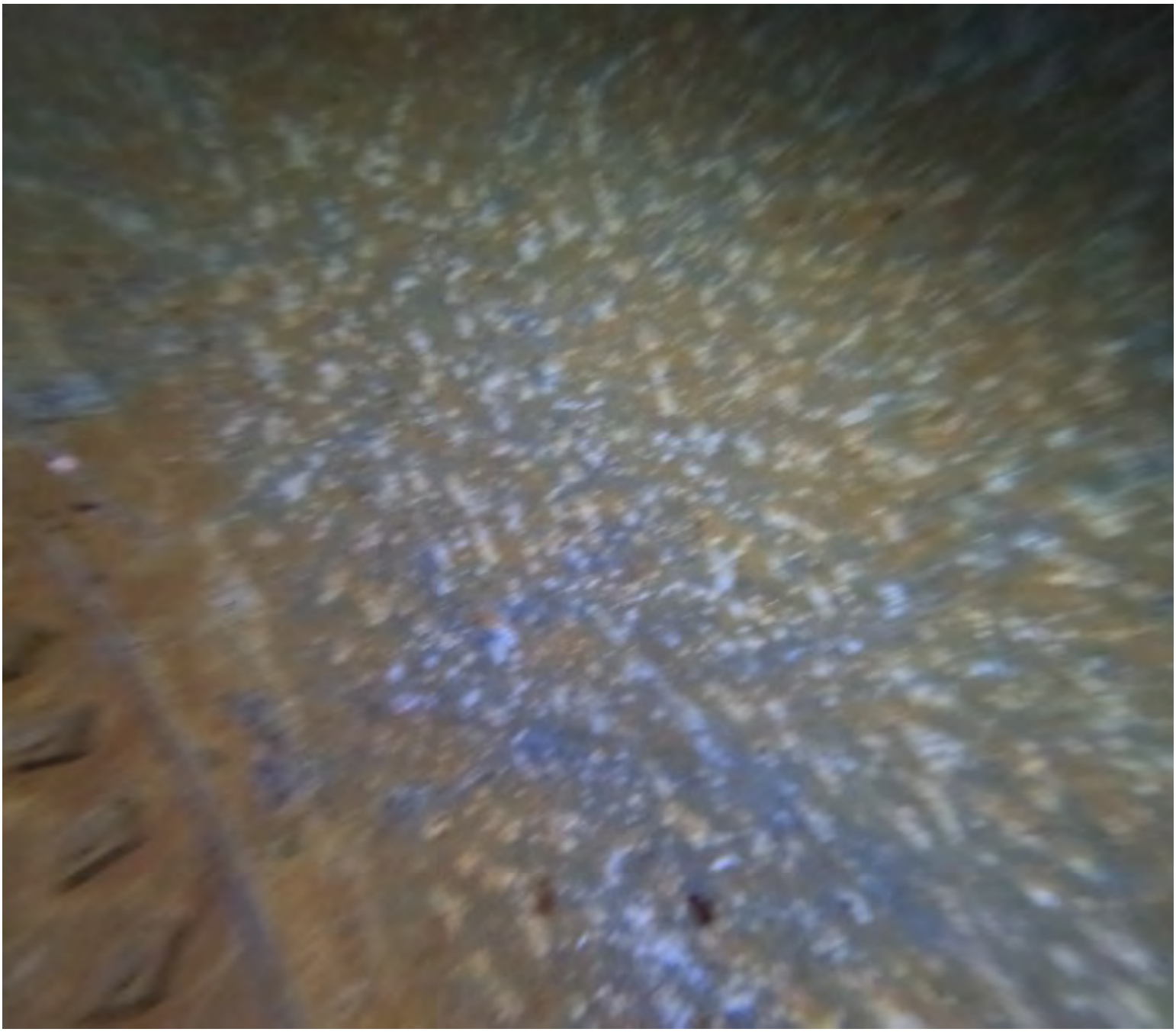

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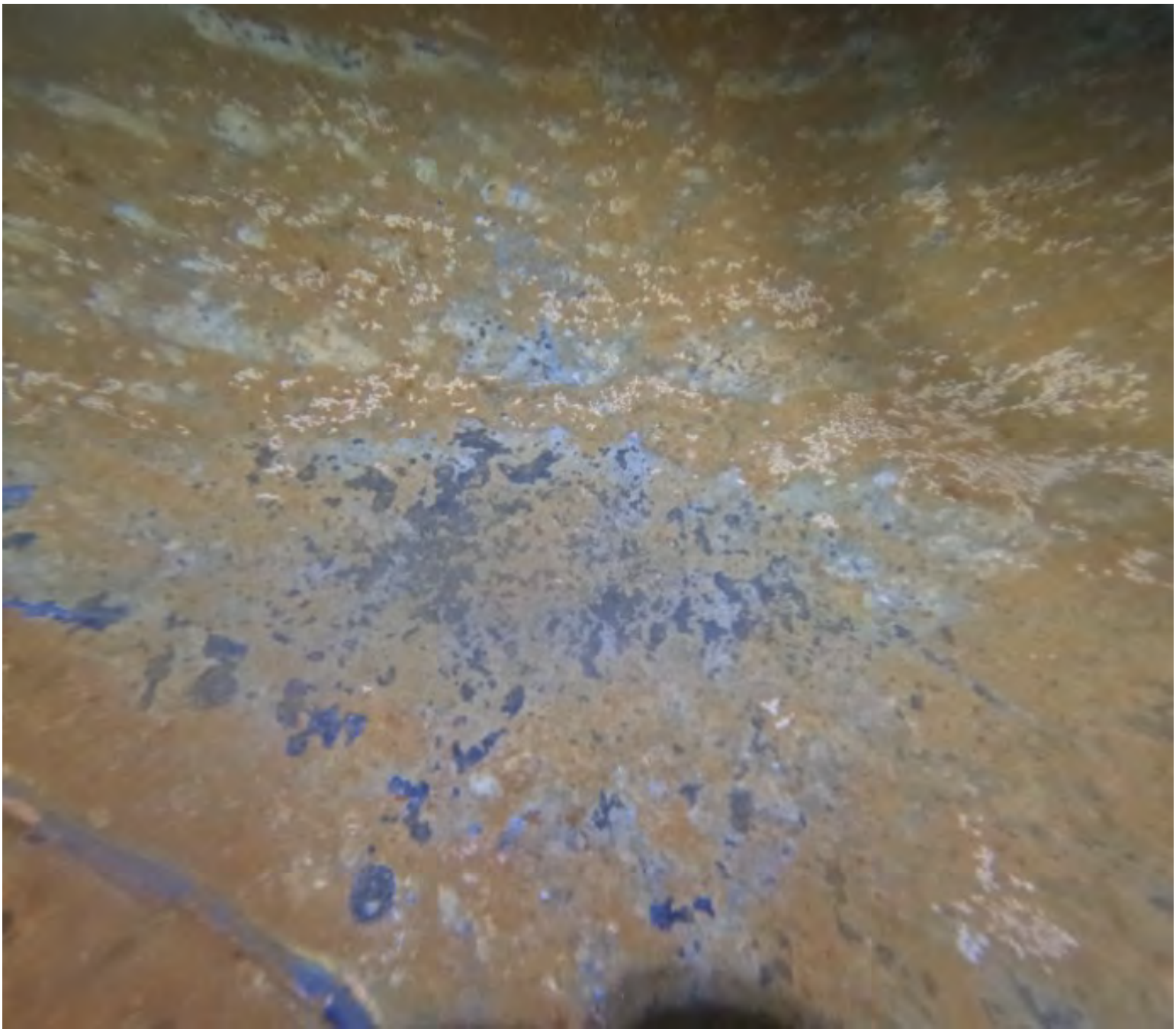

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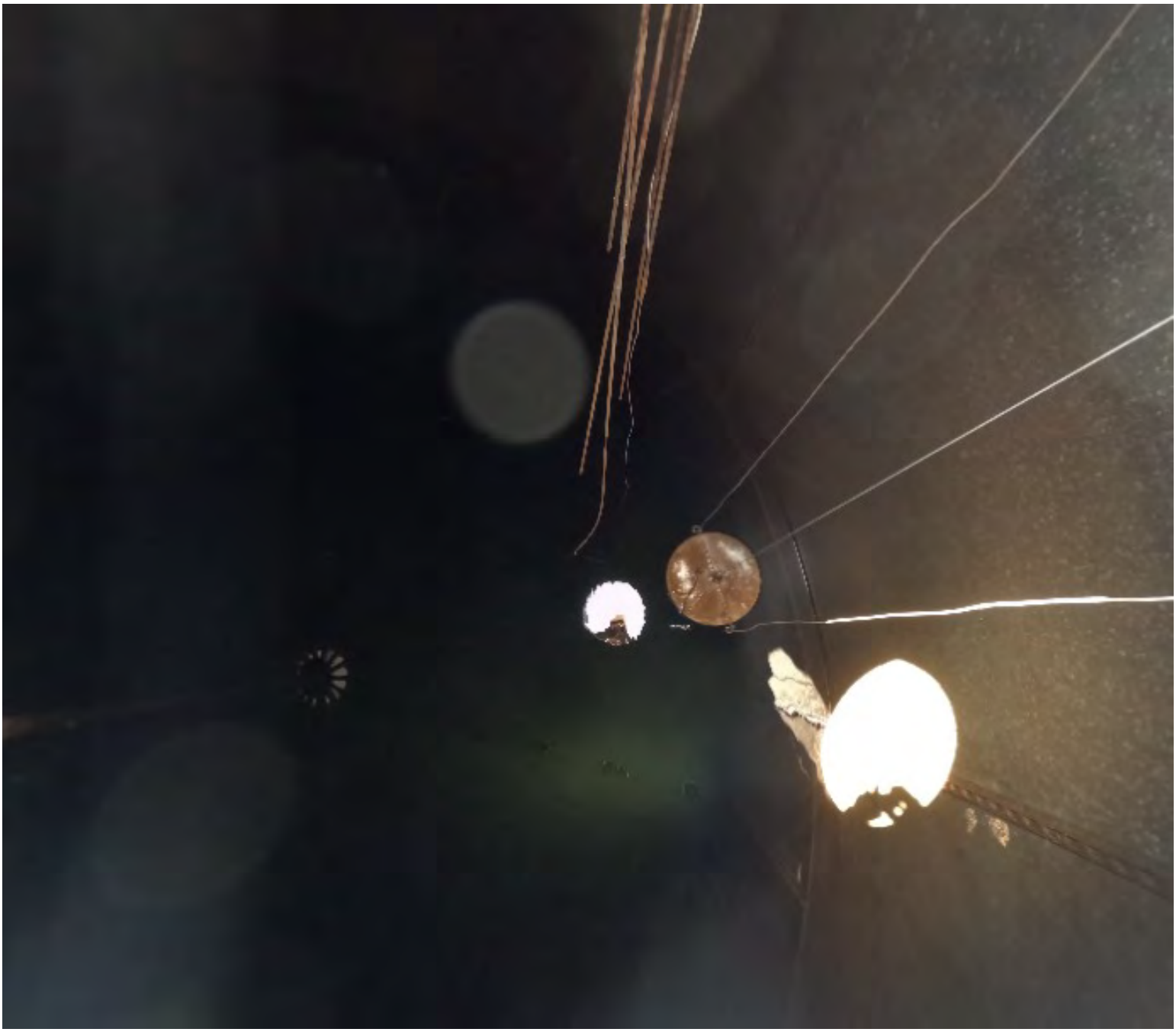

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