


Appendix C
OVIVO FIELD SERVICE REPORT

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*FIELD SERVICE ENGINEER: JACOB PARTRIDGE		*DATE(S) ONSITE: 4.19.22-4.21.22		*CHARGE # FSW604-01	
*Plant: Wilsonville WWTP *Customer Name: Cindy Kehoe 971-832-4001 *Phone Number: *Email Address: *Office Phone: *Cell Phone:					
*Address: 9275 SW Tauchman St. *City/State/Zip: Wilsonville OR 97070					
Contractor Name/Address:		*SERIAL #:25348		*Equipment: Clarifiers *Type: *Size:	
Other Contact Names: Email Address: Phone:		Sales Agent Name:		Phone#:	

NOTES

The purpose of this visit was to inspect both of the customers clarifier units. These are existing units manufactured 2-97.

Began inspection on clarifier unit

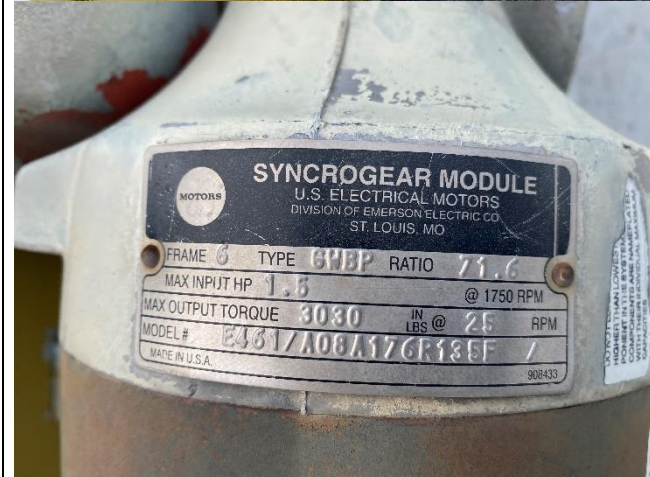
- 1) Began inspecting top portion of drive unit. inspected drive oil levels, inspected overall condition of the drive unit. unit is in appearance good condition. Paint is still holding strong on this unit. inspected for operational noises. No abnormal noises coming from drive unit. unit is running smooth and without vibrations. Inspected chain and sprocket assembly, these are still in ok shape and well lubricated. Unit appears to be in good maintenance order and operational. This unit is 25 years old and well within the recommended overhaul time frame for seals and bearings. Customer would like pricing on new and rebuild of drive unit.
- 2) Inspected operation of drive control unit. this unit is completely seized up and not turning at all. The unit has no torque protection as of right now and recommend new drive control.
- 3) Motor and reducer on this unit are running smoothly and without abnormal noises or vibrations.
- 4) Inspected EDI on unit. unit is in good condition. Some of the chains for the EDI adjustment doors are broken or missing and recommend replacement of chains for unit to properly adjust flow out of EDI.
- 5) Inspected skimmer unit. unit is in poor condition and recommend replacement of skimmer assembly.
- 6) Inspected center column assembly. Grouting against floor appears to be in good shape with no Spaulding or chunks missing. Bolts appear to be holding and secured tightly. Measured center column for plumb with laser over 8'. Unit measured 1 3/8" and 1 3/8". Unit column is plumb. Outlet ports at top portion of column are in good condition with little wear showing over the years.
- 7) Paint on overall is in good condition with little flaking here and there but holding up very well over the 25 years in service. Unit could do with a new coating to further protect for years to come but steel is in good condition. Welds still holding strong and no breaks or bends found. Bolted connections on overall machine are all present and appear to be securely fastened.
- 8) Rake arm with scum suction manifold in good condition. The squeegee along the bottom has torn and ripped apart in multiple spots and recommend replacement. Also the seal along the center manifold is torn and worn out overall on top and bottom of unit and recommend replacement.
- 9) Operational of unit, ran unit around for about 1 hour listening and watching for scraping along floor. There is an intermittent squeal noise coming from drive unit. however it was determined that this was not coming from the mechanism itself but coming from the spray piping/valving. I shut the unit off while the squeal was occurring and the unit completely stopped but the squeal noise did not. Watched the unit rotate around, at no point did the rake arm come in contact with the floor. Unit appears to be holding strong and not dragging at any point.
- 10) Inspected weirs, baffles and scum beach along outer perimeter of tank. All units still bolted firmly to tank wall and present.





Began inspection of unit 25348-02A

- 1) This unit was having issues with the gates and pumping out fully from the sediment in the bottom. The tank was unable to be fully drained but I was able to get down into it with boots on and get overall view inspection of clarifier unit steel. I was unable to see the condition of the manifold seals and squeegees but based on age and condition of first tank I would assume that they are in a similar condition and would need replacement .
- 2) Began inspection of drive unit. inspected oil levels and overall paint of drive unit. unit is still in good appearance and paint is holding up. maintenance appears to be well performed on this unit and drive is moving smoothly and with no abnormal vibration
- 3) The drive control is in the same condition and not working properly. Recommend new drive torque control.
- 4) The motor and reducer on this unit is knocking during operation internally and I would recommend replacement or have spare unit on standby for when they finally give out. the chain and sprockets are still in good condition and well lubricated. The drive unit is 25 years old and in the recommended time for rebuild of bearings and seals internally.
- 5) Inspected EDI on unit. unit is in good condition. Some of the chains for the EDI adjustment doors are broken or missing and recommend replacement of chains for unit to properly adjust flow out of EDI.
- 6) this unit had an incident in the past where the skimmer bound up and was damaged over the scum beach. The support arm was bent and they have currently welded a temporary part to try and hold the unit into place. The skimmer itself is well worn out and in need of replacement. Customer would like pricing on new skimmer arm and skimmer assembly for this unit.
- 7) inspected center column assembly for excessive wear or out of plumb. The column appears to be still in good condition. I was unable to see the base of this unit due to water. I was able to measure plumb over 8' with laser 1 ¼" and 1 ¼". Unit center column is still plumb.
- 8) Overall paint is in similar condition to the first tank with spots of paint coming off but overall in decent condition considering time in service. All welds are still in good condition with no breaks or bends found in any of the support arms. Feed well still looks great with a couple spots here and there of paint flaking but overall condition is good. All hardware and bolted fasteners appear to be secured.
- 9) Inspected weirs, baffles and scum beach along outer perimeter of tank. All units still bolted firmly to tank wall and present



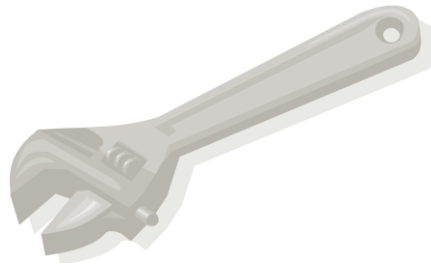


Overall units are in pretty good shape with a couple minor repairs needed to get the unit back to proper working order.

ACTIONS ITEMS

- Drive controls for both units
- New skimmers for both units
- One skimmer arm assembly
- Lower and upper manifold seals for both tanks
- Squeegees for both tanks rake arms
- EDI chains
- One motor and reducer assembly
- Pricing for one new C40

OVIVO RECOMMENDATIONS



Company Use:

Project Manager:
PM Email:
PM Phone:

Contact your OVIVO Project Manager at any time for questions or concerns.

***Required Fields**

